

19990824.qrp v01\_n558.qrl.990824

Date: Tue, 24 Aug 1999 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1558

QRP-L Digest 1558

Topics covered in this issue include:

- 1) [48282] Cheap Seiko time keeping  
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 2) [48283] Paddle Recommendations  
by "David Castor" <dave\_castor@easypower.com>
- 3) [48284] Re: QLF  
by "Alan Fryer" <n3bj@hotmail.com>
- 4) [48285] re Spectrum Analyzer (SA)  
by Charles Kadesch <chas@digizen.net>
- 5) [48286] Michigan Challenge Results  
by "Pete Meier" <pete.meier@lmsna.com>
- 6) [48287] RE: Old Heath Gear  
by "Alex Mendelsohn" <ai2q@ispchannel.com>
- 7) [48288] Re: Old Heath Gear  
by "George T. Baker" <w5yr@swbell.net>
- 8) [48289] Re: QLF  
by George F Franklin <w0av@juno.com>
- 9) [48290] Re: QST Sept issue  
by "George T. Baker" <w5yr@swbell.net>
- 10) [48291] Re: QRP Design  
by "Craig B. Johnson" <johns516@maroon.tc.umn.edu>
- 11) [48292] MFJ Xcvr Question  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 12) [48293] Re: QRP Design  
by Rick Sealey <rsealey@InfoAve.Net>
- 13) [48294] Re: Paddle Recommendations  
by "Dave T. Chael" <chael@enid.com>
- 14) [48295] Re: Paddle Recommendations for AB7ZV  
by "Dave T. Chael" <chael@enid.com>
- 15) [48296] Re: QST Sept issue  
by Bob Nielsen <nielsen@primenet.com>
- 16) [48297] Re: QLF  
by "The One and Only!" <mitch96@pobox.com>
- 17) [48298] Re: QLF  
by Phil Wheeler <w7ox@mindspring.com>
- 18) [48299] Re: Cheap Seiko...  
by w4pj@w4bkx.ampr.org
- 19) [48300] Re: MFJ Hi-Q Loop Antennas

- by "Walter Dufrain" <walter@inlink.com>
- 20) [48301] Re: QST Sept issue  
by applitech@mcg.net (Claton Cadmus)
- 21) [48302] OT: The truth about Altoids  
by "Nick Kennedy" <nkennedy@cswnet.com>
- 22) [48303] two beginners questions  
by Michael Bower <bowerm@ix.netcom.com>
- 23) [48304] Re: Paddle Recommendations  
by "Nick Kennedy" <nkennedy@cswnet.com>
- 24) [48305] Re: 811s  
by "Randy Jouett" <rules@bellsouth.net>
- 25) [48306] Re: Antenna Fantasy  
by "The One and Only!" <mitch96@pobox.com>
- 26) [48307] NA5N - possible 2nd Edition Databook, please  
by n5ib@juno.com
- 27) [48308] Re: two beginners questions  
by Phil Wheeler <w7ox@mindspring.com>
- 28) [48309] Re: OT: The truth about Altoids  
by sergio <sruiz@bright.net>
- 29) [48310] old gear/new gear  
by crc <crc@io.com>
- 30) [48311] Re: two beginners questions  
by wd4et@juno.com
- 31) [48312] Re: MFJ Xcvr Question  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 32) [48313] Re: two beginners questions  
by "John Moriarity" <k6qq@hdo.net>
- 33) [48314] Re: two beginners questions  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 34) [48315] doubler help needed  
by Bill H Hays <wj5o@juno.com>
- 35) [48316] NA5N's MFJ tune up tips  
by RangerSF5@aol.com
- 36) [48317] CQC QSO Party K0FRP  
by "al dawkins" <alk0frp@earthlink.net>
- 37) [48318] Re: Old Heath Gear  
by Russ Dow <n7dw@garlic.com>
- 38) [48319] Re: QRP Design  
by "Art Neilson, KH7PZ" <art@hawaii.rr.com>
- 39) [48320] Re: MFJ Hi-Q Loop Antennas  
by DYARNES@aol.com
- 40) [48321] Re: OT: The truth about Altoids  
by Monte Stark <ku7y@dri.edu>
- 41) [48322] Re: QRP Design  
by "Randy Jouett" <rules@bellsouth.net>
- 42) [48323] New Paddles Arrived!!  
by "Dave Fifield" <fifield@pacbell.net>
- 43) [48324] Re: QST Sept issue

by "Tony Fishpool" <g4wif@btinternet.com>  
44) [48325] Re: QST Sept issue  
by "Chuck Carpenter" <w5usj@globeco.net>  
45) [48326] re: uls faq  
by JPD <jdanter@mail.i-america.net>  
46) [48327] Re: www  
by "Todd Huovinen" <kb5tmd@hotmail.com>  
47) [48328] Re: Heathkit  
by hb9dnn@gmx.net (Robert M. Ganter)  
48) [48329] Re: QQQ & QFA  
by George F Franklin <w0av@juno.com>  
49) [48330] ULS (universal licencing system)  
by "Chuck Carpenter" <w5usj@globeco.net>  
50) [48331] Re: 811s  
by Jay Freeman <jayFreem@direcpc.com>  
51) [48332] Web page  
by Jay Freeman <jayFreem@direcpc.com>  
52) [48333] Re: doubler help needed  
by Stanley Wilson <microres@crl.com>  
53) [48334] Re: OT: The truth about Altoids  
by "Mike Yetsko" <myetsko@insydesw.com>  
54) [48335] Re: OT: The truth about Altoids  
by Bruce Kizerian <kizerian@ced.utah.edu>  
55) [48336] Re: Feedline Measurements- Computer Ribbon Line  
by Zack Lau <zlau@arrl.org>  
56) [48337] OT: The truth about Altoids  
by Brian Murrey <brian@iquest.net>  
57) [48338] NJQP Summary - WQ2RP  
by Ken Newman <N2CQ@citnet.com>  
58) [48339] For Sale or For Trade  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
59) [48340] Recall: For Sale or For Trade  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
60) [48341] For Sale or For Trade  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
61) [48342] Re: OT: The truth about Altoids  
by "Steve Sorrell" <ap036@detroit.freenet.org>  
62) [48343] 38s is spoken for....  
by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
63) [48344] WW II Q signals  
by REDSBOY@aol.com  
64) [48345] Building Small Loop Antennas  
by applitech@mcg.net (Claton Cadmus)  
65) [48346] New Tin at the counters  
by "Franco, Nicholas J" <franco@bnl.gov>  
66) [48347] RE: The truth about Altoids  
by "Dasher, Mark" <mark.dasher@irwin.army.mil>  
67) [48348] For Sale or For Trade - part 2

by "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
68) [48349] Re: 811s  
by Karl.Kanalz@optelinc.com  
69) [48350] Re: 811s  
by Karl.Kanalz@optelinc.com  
70) [48351] QRP/QRO ITEMS FOR SALE  
by HWRM1SS@aol.com  
71) [48352] Re: OT: The truth about Altoids  
by Jeff Francis <jfrancis@frii.com>  
72) [48353] Re: OT: The truth about Altoids  
by "John L. Sielke" <jsielke@pobox.com>  
73) [48354] Re: doubler help needed  
by "George T. Baker" <w5yr@swbell.net>  
74) [48355] RE: two beginners questions  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
75) [48356] Altoids  
by Scott Howell <showell@hq.nasa.gov>  
76) [48357] Re: doubler help needed  
by n2cx@voicenet.com  
77) [48358] Motorola semiconductor website  
by JPD <jdanter@mail.i-america.net>  
78) [48359] Re: doubler help needed  
by Laura Halliday <lha@sdr.utias.utoronto.ca>  
79) [48360] Re: Altoids  
by "Steve Sorrell" <ap036@detroit.freenet.org>  
80) [48361] RE: Paddle Recommendations for AB7ZV  
by "David Castor" <dave\_castor@easypower.com>  
81) [48362] Re: OT: The truth about Altoids  
by PUNISHER3@aol.com  
82) [48363] Custom oscillators  
by "Fishman, Clark [AMSTA-AR-FSF-I]" <cfishman@pica.army.mil>  
83) [48364] Wanted MC1554G data sheet  
by n2cx@voicenet.com  
84) [48365] RE: ULS Licensing For Amateur Radio  
by "Jerry Bartachek" <jbartac@max.state.ia.us>  
85) [48366] Re: Paddle Recommendations  
by Paul Erickson <pauale@sfu.ca>  
86) [48367] Loop antennas and other questions? long :(  
by "Mark Hogan" <mhogan@email.msn.com>  
87) [48368] Re: The truth about Altoids  
by "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>  
88) [48369] 2 way QRP QSO streak  
by "Steven Weber" <kd1jv@moose.ncia.net>  
89) [48370] Re: ULS Licensing For Amateur Radio  
by Michael Melland <badger@vbe.com>  
90) [48371] Re: The truth about Altoids  
by sergio <sruiz@bright.net>  
91) [48372] Re: 2 way QRP QSO streak

by sergio <sruiz@bright.net>  
92) [48373] Re: Altoids  
by Jim Durkin <jimdurkin@yahoo.com>  
93) [48374] RE: The truth about Altoids  
by "Mont Pierce, KM6WT" <montp@synacom.com>  
94) [48375] Thanks for Excellent ULS Info!  
by "Jerry Bartachek" <jbartac@max.state.ia.us>  
95) [48376] RE: The truth about Altoids, oooppsss...  
by "Mont Pierce, KM6WT" <montp@synacom.com>  
96) [48377] RE: ULS Licensing For Amateur Radio  
by "Mont Pierce, KM6WT" <montp@synacom.com>  
97) [48378] Re: ULS Licensing For Amateur Radio  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>  
98) [48379] Adding a power switch to the NC20  
by "Kory Hamzeh" <kory@avatar.com>  
99) [48380] Re: Motorola  
by Rich Wilkerson <richqrp@home.com>  
100) [48381] Re: OT: The truth about Altoids  
by K2UD@aol.com  
101) [48382] Re: QLF  
by K2UD@aol.com  
102) [48383] VE3DNL kit mod  
by Dan Presley <talljazz@teleport.com>  
103) [48384] Re: WW II Q signals  
by K2UD@aol.com  
104) [48385] OT: Desoldering gun  
by "Kory Hamzeh" <kory@avatar.com>  
105) [48386] Re: ULS Licensing For Amateur Radio -- CORRECTION  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>  
106) [48387] Re: QLF  
by "Steve Sorrell" <ap036@detroit.freenet.org>  
107) [48388] Re: VE3DNL kit mod  
by ka7you@juno.com  
108) [48389] Eveready Energizers and other batteries  
by ka7you@juno.com  
109) [48390] OT: Kester Silver Solder  
by "Kory Hamzeh" <kory@avatar.com>  
110) [48391] Re: WW II Q signals  
by "Steve Sorrell" <ap036@detroit.freenet.org>  
111) [48392] Re: VE3DNL kit mod  
by Jay Bromley <w5jay@alltel.net>  
112) [48393] VE3DNL Marker/Generator  
by Jay Bromley <w5jay@alltel.net>  
113) [48394] Feeling Uncomfortable?!?  
by Jim Ek <JIM-EK@worldnet.att.net>  
114) [48395] Re: QRP-L digest 1557  
by dave.g0dja@psilink.co.uk (David J. Ackrill)  
115) [48396] Re: Feeling Uncomfortable?!?

by DENNISMO@aol.com  
116) [48397] Re: QRP/QRO ITEMS FOR SALE  
by HWRM1SS@aol.com  
117) [48398] retired, fox group  
by Jack Bryant <Jack.Bryant@math.tamu.edu>

-----  
Date: Mon, 23 Aug 1999 19:36:55 -0400  
From: "Alex Mendelsohn" <ai2q@ispchannel.com>  
To: <wb5rue@stic.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48282] Cheap Seiko time keeping  
Message-ID: <000401beedc0\$62bb5320\$5c32a7d0@mendelsohn.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My late friend W2LL, Gene Black (an early editor-in-chief of CQ Magazine, by the way) told me his cheap Seiko wrsitwatch was always better than most of the ship's chronometers on the merchant vessels he sailed on as a radio op.

He simply observed the errors over a period of time and drew hisself an error table, sort of like the Napier tables mariners refer to in order to "correct" for compass deviation.

In any case, Gene said he would always rely on his Seiko when he had to timestamp a document that needed to be delivered to the skipper or navigator. He and I also felt that a body-temperature-regulated xtal watch was an excellent timing source for highly accurate celestial navigation (to estimate longitude).

I know this isn't on the order of magnitude we're discussing here with respect to atomic clocks, but I thought it might be appropriate for the discussion.

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Kevin Muenzler WB5RUE  
> Sent: Friday, August 20, 1999 2:48 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Clock Accuracy  
>  
>  
> I even went so far as to open my watch and make little adjustments to the

> trimmer cap. It took me about a month to get it right. Now my  
> watch gains  
> about a second every week or so. It's temperature sensitive. It gains  
> during the Summer and loses during the Winter.  
>  
> Kevin, WB5RUE  
>  
> I am Voltohm of Borg, resistance is E/I, power is EI, you will be  
> attenuated!  
>  
>  
> The more humble a man is before God, the more he will be exalted; the more  
> humble he is before man, the more he will get rode roughshod.  
>  
> > -----Original Message-----  
> > From: owner-qrp-1@Lehigh.EDU  
> > [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> > Bill Jones  
> > Sent: Friday, August 20, 1999 1:20 PM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: Clock Accuracy  
> >  
> >  
> > It drive me nuts if my digital wristwatch is more than 3-4  
> > seconds off.  
> > I set it with WWV every few days. At the other end of the scale is my  
> > wife. When you ask her what time it is as often as not she will  
> > respond, "Friday."  
> >  
> > --  
> > =====  
> > Bill Jones - KD7S <><  
> > Sanger, California  
> > <http://www.psnw.com/~kd7s>  
> > =====  
> >  
> >  
> >  
>  
>

-----  
Date: Mon, 23 Aug 1999 16:40:06 -0700  
From: "David Castor" <dave\_castor@easypower.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [48283] Paddle Recommendations

Message-ID: <000701beedc0\$d4c16360\$0200000a@sony>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I'm new to this list and pretty new to ham radio - I've had my license about 9 months. After pounding my straight key for 9 months, I'm about ready to give an iambic paddle a try and would appreciate any advice/recommendations on a good starter model.

Or if anyone has an used one in decent shape you'd like to sell, you can respond to me directly.

Thanks,

Dave, AB7ZV  
Corvallis, OR

-----  
Date: Mon, 23 Aug 1999 16:56:05 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: K2UD@aol.com, qrp-1@Lehigh.EDU  
Subject: [48284] Re: QLF  
Message-ID: <19990823235605.58282.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I like the QLF chain, keep it going...

Alan, N3BJ

-----Original Message Follows-----  
From: K2UD@aol.com  
Reply-To: K2UD@aol.com  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: Re: QLF  
Date: Mon, 23 Aug 1999 17:42:09 EDT

QLFf- I am sending with my left toe.



Howard Kraus, K2UD

-----  
Get Free Email and Do More On The Web. Visit <http://www.msn.com>

-----  
Date: Mon, 23 Aug 1999 20:05:22 -0700  
From: Charles Kadesch <chas@digizen.net>  
To: qrp-l@lehigh.edu  
Subject: [48285] re Spectrum Analyzer (SA)  
Message-ID: <37C20BF2.B11@digizen.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I built the Science Workshop SA a few years ago and I find it to be quite handy in the shack and on the bench. I added the tracking generator and the 15 khz filter options (They really add to the versatility). It still amazes me to see all the local tv and fm stations in one sweep. The sensitivity is very good with the tuners used. Good for spotting band openings - especially 6m and up. I would agree it is not the type of cut and dry kit we have become used to- but if you consider it as a learning experience you may enjoy building it up and wind up with a nice piece of gear. Many users have contributed improvements and feedback that are very educational as well. These are (or were) documented in the "Build your own Spectrum Analyzer" book.

-72-

Chas W3KC

-----  
Date: Mon, 23 Aug 1999 20:17:56 -0400  
From: "Pete Meier" <pete.meier@lmsna.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [48286] Michigan Challenge Results  
Message-ID: <199908240017.UAA92712@nss4.cc.lehigh.edu>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Hello gang,

Saturday was a beautiful day for the Michigan Challenge. At least it was weather-wise in Michigan. It was sunny and about 80 degrees - just perfect. Band conditions were not so perfect. I only heard a handful of other QRP

stations running the contest. 20 meters seemed to be popping in and out very quickly. But it was fun none the less. We had 5 stations operating from Hines Park in Michigan handing out the "bonus" points and it was a first QRP contest for several of them. They enjoyed it and hopefully will be back for more.

I worked 7 states, Canada and Germany (well I kinda strayed for the DL - but I got the info I needed to count him as a contest contact!)

Anyone else have anything to report for the Michigan Challenge ?

BTW.. Results for the Michigan Challenge will be published at the Michigan QRP web site:  
<http://www.tir.com/~k8dd/miqrp.htm>

Pete WK8S

-----  
Date: Mon, 23 Aug 1999 20:20:55 -0400  
From: "Alex Mendelsohn" <ai2q@ispchannel.com>  
To: <art@hawaii.rr.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48287] RE: Old Heath Gear  
Message-ID: <000701beedc6\$882842c0\$5c32a7d0@mendelsohn.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Arthur, the SB-401 isn't a transceiver. It's the companion, or stand-alone, transmitter to the SB-303.

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Art Neilson, KH7PZ  
> Sent: Sunday, August 22, 1999 11:48 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Old Heath Gear  
>  
>  
> A friend of mine has some old Heath gear he wants to sell. The items  
> are listed below, I am unsure of the items value. Can someone give us  
> a ballpark value of the items in question?  
>  
> 1. SB-221 2000W linear  
> 2. SB-401 Transceiver

> 3. SB-3-3 Receiver  
 > 4. SB-1400 Transceiver  
 >  
 > Thanks!!!  
 > --  
 >  
 > /\_\_ ) \_/\_ It is a capital mistake to theorise before one has data.  
 > /--/ \_\_ / Insensibly one begins to twist facts to suit theories,  
 > / (\_/ (\_<\_\_ Instead of theories to suit facts.  
 > -- Sherlock Holmes, "A Scandal in Bohemia"  
 > Arthur W. Neilson III, KH7PZ  
 > Bank of Hawaii Tech Support  
 > art@hawaii.rr.com  
 >  
 >

-----  
 Date: Mon, 23 Aug 1999 19:37:46 -0500  
 From: "George T. Baker" <w5yr@swbell.net>  
 To: ai2q@ispchannel.com  
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
 Subject: [48288] Re: Old Heath Gear  
 Message-ID: <37C1E95A.18154582@swbell.net>  
 MIME-version: 1.0  
 Content-type: text/plain; charset=us-ascii  
 Content-transfer-encoding: 7bit

And while we are proof-reading his post, the SB-221 is hardly a 2000 watt amplifier! A pair of 3-500Z's just like the original SB-220 and sharing the same limited power supply. Best I could do on 40 meters was about 1200 watts keydown and that is about typical. Forget about the peak-reading wattmeters on SSB, etc. They are good for marketing but not for measuring real power output.

Oops! Now I have unwittingly disclosed my unclean past of 30 years ago when I thought that QRO made the man! ;^)

72/73, George            AMA 98452            R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
 AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
 QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Alex Mendelsohn wrote:

>

> Arthur, the SB-401 isn't a transceiver. It's the companion, or stand-alone,  
> transmiiter to the SB-303.

-----  
Date: Mon, 23 Aug 1999 19:38:17 -0500  
From: George F Franklin <w0av@juno.com>  
To: n3bj@hotmail.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [48289] Re: QLF  
Message-ID: <19990823.194645.-277065.0.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Gang,

Who can forget QQQ and QFA?

72 de George/W0AV

-----  
Date: Mon, 23 Aug 1999 19:47:02 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: k7qo@hotmail.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48290] Re: QST Sept issue  
Message-ID: <37C1EB86.A3AA9BB0@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

"Chuck Adams, K7Q0" wrote:

<snips>

> On page 86, right hand column, middle there is the question  
> about what if I don't register under ULS? If the info is  
> absolutely correct and no riders to follow, then I read that  
> every ham will be on the Internet or have to have a path to  
> get there. The summary that I get is that in order to do  
> anything with the FCC you have to be registered under the ULS.

I still haven't been able to find the answer to a simple question: does the ULS database ALREADY have the same information on me that the FCC database did/does/has/whatever? Or do I have to make application to the ULS system in order for the FCC to be aware of my presence, callsign,

address, etc.? In other words, am I already "registered" under ULS in virtue of having held a license for 54 years - come August 31.

Some articles read as if application to ULS was to be made only when otherwise a 610 would have been required. But others like Chuck's posting above, seem to suggest the opposite.

Anybody got the straight skinney?

72/73, George                    AMA 98452                    R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

-----  
Date: Mon, 23 Aug 1999 20:22:39 -0500  
From: "Craig B. Johnson" <johns516@maroon.tc.umn.edu>  
To: <qrp-l@lehigh.edu>  
Subject: [48291] Re: QRP Design  
Message-ID: <003901beedcf\$566315e0\$0101a8c0@cbj-pentium>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim and gang,

>Those of us who have the original EE20 course notes should be even  
>happier to have them now. As Prof. Rutledge mentioned at Pacificon last  
>year, this book has gone from an in-house publication to one published by  
>Cambridge University Press, and now sells for a whopping \$100!

>The web page at:

><http://www.its.caltech.edu/~mmic/group.html>

>will provide more info.

>72 de Jim - AD6CW

I have to heartily agree with Jim about the value of this great book. It uses the design of the NorCal 40a as a central theme to illustrate the theory for his Cal Tech EE students. It was written in conjunction with Wayne Burdick, the designer of the 40a.

Prof. Rutledge starts out with basic component theory, and develops it in very interesting ways. The book has fantastic sections on mixers/detectors, oscillators, amplifiers (class A, B, and C), transmission lines, antennas, impedance matching, etc. etc. Since the 40a uses NE602's (or SA602's), he shows how Gilbert Cells work. Before describing the audio section, he talks about acoustics, speakers, and signal-to-noise ratios. These subjects are all made relevant by the specific examples in the circuitry of the NorCal 40a.

Yes, there is a lot of calculus in it, but you don't really have to delve into the equations if you don't want to. I found myself returning to my EE roots of years past, and found out how rusty I am!

Now some good news. The book is also available from Cambridge University Press in paperback for \$45 and this includes their software package known as PUFF for designing and analyzing linear circuits. The books just became available this month; I received my back-ordered version last week.

(If anyone has the old notes, take a look at the Final Exam at the end. I have been trying to work through some of the problems, and have gotten stuck on some of them. If anyone wants to discuss these offline, please let me know.)

73,  
- Craig, AA0ZZ

-----  
Date: Mon, 23 Aug 1999 21:22:04 -0400  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: qrp-l@lehigh.edu  
Subject: [48292] MFJ Xcvr Question  
Message-ID: <37C1F3BA.E4F21B34@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Subject:  
    MFJ Question  
    Date:  
        Sun, 22 Aug 1999 17:37:58 -0400  
    From:  
        Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
    To:  
        qrp@lehigh.edu

Got on 20 today. Things seemed quiet...mostly heard close in stuff.

When using my 9020, it takes about 1-2 seconds for the receiver to recover full volume. I assumed that this was normal and part fo the rig

design. In reading the manual, it seems that a blocking voltage is applied to Q10 during xmit. This voltage reduces receiver gain. The manual says recovery should be instantaneous.

Anyone have any ideas? Is there a problem with my rig? Can anyone suggest a cure?

Henry

-----  
Date: Mon, 23 Aug 1999 21:18:04 -0400  
From: Rick Sealey <rsealey@InfoAve.Net>  
To: qrp-l@lehigh.edu  
Subject: [48293] Re: QRP Design  
Message-ID: <4.1.19990823211443.0094de80@mail.infoave.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"

At 08:03 AM 08/23/1999 -0400, you wrote:

>Gangue,  
> Paul Harden's [NA5N] fine Data Book for Homebrewers and QRPers belongs  
>on the workbench of every committed QRP homebrewer/builder. The hobby is  
>growing so quickly and there are so many new products out there that Paul  
>says he has thought of a second edition <yea!>. One of his questions  
>concerns format. I think he is considering 3 ring binder - loose leaf,  
>allowing future updates.  
>We should encourage this effort. What do you think?  
>Wayne Reed, k9ne  
>wlreed@custom.net

Actually, I prefer it the way it is. Bring out a 2nd edition, I'll buy it.

Rick - W4SEA  
High Point, NC

-----

Date: Mon, 23 Aug 1999 20:53:40 -0500  
From: "Dave T. Chael" <chael@enid.com>  
To: <dave\_castor@easypower.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48294] Re: Paddle Recommendations  
Message-ID: <00ef01beedd3\$7eab7200\$224821d0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dave,

Once you go Iambic, you'll never go back (at least you won't want to send with a straight key 100% of the time)! I own a Kent iambic paddle, and would not trade it for anything! Fantastic design, very heavy (important), infinitely adjustable (very important), and will easily outlast my lifetime (not important, but I'd like to think so)! Lots of choices out there, and it's ultimately a personal "taste" issue. Don't go cheap - the good ones are around \$100 or more, but over a lifetime, pretty inexpensive, considering the countless hours of enjoyment we all get out of CW! Great to hear you on - good luck!

Dave  
KC5GUD

-----Original Message-----

From: David Castor <dave\_castor@easypower.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, August 23, 1999 6:40 PM  
Subject: Paddle Recommendations

>Folks,

>

>I'm new to this list and pretty new to ham radio - I've had my license about

>9 months. After pounding my straight key for 9 months, I'm about ready to  
>give an iambic paddle a try and would appreciate any advice/recommendations  
>on a good starter model.

>

>Or if anyone has an used one in decent shape you'd like to sell, you can  
>respond to me directly.

>

>Thanks,

>



>Dave, AB7ZV  
>Corvallis, OR  
>  
>

-----  
Date: Mon, 23 Aug 1999 20:57:43 -0500  
From: "Dave T. Chael" <chael@enid.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48295] Re: Paddle Recommendations for AB7ZV  
Message-ID: <00f301beedd4\$0f579400\$224821d0@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey, there's more! I thought his call (AB7ZV) was familiar! We worked on 16 April on 30 meters, and I was privileged to be his first Oklahoma QSO, and it was "attic dipole" to "attic dipole" Great fun! Small world! Great hobby! Welcome!

Dave  
KC5GUD

-----Original Message-----  
From: David Castor <dave\_castor@easypower.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, August 23, 1999 6:40 PM  
Subject: Paddle Recommendations

>Folks,  
>  
>I'm new to this list and pretty new to ham radio - I've had my license about  
>9 months. After pounding my straight key for 9 months, I'm about ready to  
>give an iambic paddle a try and would appreciate any advice/recommendations  
>on a good starter model.  
>  
>Or if anyone has an used one in decent shape you'd like to sell, you can  
>respond to me directly.  
>  
>Thanks,  
>  
>Dave, AB7ZV  
>Corvallis, OR

>  
>

-----

Date: Mon, 23 Aug 1999 18:59:21 -0700  
From: Bob Nielsen <nielsen@primenet.com>  
To: qrp-1@lehigh.edu  
Subject: [48296] Re: QST Sept issue  
Message-ID: <19990823185921.B16927@bob>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

On Mon, Aug 23, 1999 at 07:47:02PM -0500, George T. Baker wrote:

> "Chuck Adams, K7QO" wrote:

>

> <snips>

>

> > On page 86, right hand column, middle there is the question  
> > about what if I don't register under ULS? If the info is  
> > absolutely correct and no riders to follow, then I read that  
> > every ham will be on the Internet or have to have a path to  
> > get there. The summary that I get is that in order to do  
> > anything with the FCC you have to be registered under the ULS.

>

> I still haven't been able to find the answer to a simple question: does  
> the ULS database ALREADY have the same information on me that the FCC  
> database did/does/has/whatever? Or do I have to make application to the  
> ULS system in order for the FCC to be aware of my presence, callsign,  
> address, etc.? In other words, am I already "registered" under ULS in  
> virtue of having held a license for 54 years - come August 31.

>

> Some articles read as if application to ULS was to be made only when  
> otherwise a 610 would have been required. But others like Chuck's posting  
> above, seem to suggest the opposite.

>

> Anybody got the straight skinny?

>From last Friday's ARRL letter:

To register electronically, visit <http://www.fcc.gov/wtb/uls/> and click  
on "TIN/Call Sign Registration." A paper Form 606 (TIN Registration  
Form) that can be mailed to the FCC is available at  
<http://www.fcc.gov/formpage.html> or from the FCC's Forms Distribution  
Center, 800-418-FORM (3676). Paper forms may be faxed (717-338-2693) or  
mailed to the FCC, 1270 Fairfield Rd, Gettysburg, PA 17325-7245.

While amateurs can use a Web network connection to register or to search the ULS for individual call signs or application status, applicants must use a toll-free telephone connection to the FCC's Wide Area Network in order to actually file an application on the new ULS Form 605. Complete connection instructions are on the FCC's ULS home page, <http://www.fcc.gov/wtb/uls>, under "Connecting to ULS." Connecting to the ULS requires Netscape 4.5 or higher.

----

Oh, great. Now I have to reconfigure my computer's networking and dialing. At least I still have five years before my next renewal, during which time they'll obviously change it a few more times.

Bob, W6SWE

--

Bob Nielsen	Internet: <a href="mailto:nielsen@primenet.com">nielsen@primenet.com</a>
Tucson, AZ	AMPRnet: <a href="mailto:w6swe@w6swe.ampr.org">w6swe@w6swe.ampr.org</a>
DM42nh	<a href="http://www.primenet.com/~nielsen">http://www.primenet.com/~nielsen</a>

-----

Date: Mon, 23 Aug 1999 21:56:41 -0400  
From: "The One and Only!" <[mitch96@pobox.com](mailto:mitch96@pobox.com)>  
To: [w0av@juno.com](mailto:w0av@juno.com)  
Cc: [qrp-1 <qrp-1@Lehigh.EDU>](mailto:qrp-1@Lehigh.EDU)  
Subject: [48297] Re: QLF  
Message-ID: <[37C1FBD9.13ED233B@pobox.com](mailto:37C1FBD9.13ED233B@pobox.com)>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

>  
> Who can forget QQQ and QFA?  
>  
> 72 de George/W0AV

Ok I'll bite, what-zit-mean???  
Mitch.....

-----

Date: Mon, 23 Aug 1999 19:15:07 -0700  
From: Phil Wheeler <[w7ox@mindspring.com](mailto:w7ox@mindspring.com)>  
To: [hosinsky@royac.iac.es](mailto:hosinsky@royac.iac.es)  
Cc: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [48298] Re: QLF  
Message-ID: <37C2002B.30EEB8C1@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for that: I can put it to good use (without the ?).

Phil

Goran Hosinsky wrote:

>  
> QLF? are you sending with your left foot?  
> QLF I am sending with my left foot  
>  
> 73 Goran ea8yu

-----  
Date: Mon, 23 Aug 1999 22:16:09 EDT  
From: w4pj@w4bkkx.ampr.org  
To: qrp-l@lehigh.edu  
Subject: [48299] Re: Cheap Seiko...  
Message-ID: <88163@w4bkkx.ampr.org>

My elmer, Kent NF3M, adjusted his to less than 1 second/year.  
He even drew out a schematic of the watch and keeps it inside the case.  
BTW 1 second equals 60ft. across the face of the Earth. (Celestial Nav)  
That would put you in the channel or on the rocks!  
de (Scott) W4PJ

-----  
Date: Mon, 23 Aug 1999 21:20:30 -0500  
From: "Walter Dufrain" <walter@inlink.com>  
To: <tmccullo@suffolk.lib.ny.us>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [48300] Re: MFJ Hi-Q Loop Antennas  
Message-ID: <006d01beedd8\$60cfc2e0\$726ac4ce@nexar>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Tom and all,  
Have you considered the "Rock Loop", it works pretty well, is  
about 34 inches square and can almost be built from the junk  
box. Many hams have built them, used them and enjoy performance  
in a little package.

You may want to take a look at it, see  
<http://www.homeusers.prestel.co.uk/g3ycc/rock.htm>

With a little tinkering around with the deminsons, the loop can be used on 40 and 30 mtrs and the size still kept down to something that will fit in a small space.

72 / 73 Walter Dufraim, AG5P                      Wright City, Missouri

-----  
Date: Mon, 23 Aug 1999 21:25:05 -0500  
From: applitech@mcg.net (Claton Cadmus)  
To: <k7qo@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48301] Re: QST Sept issue  
Message-ID: <00c301beedd8\$8e271f40\$a10a5e2c@groucho>

Anybody else see the nice Hint & Kink by our own Larry East W1HUE?  
Not QRP though Larry, but a great idea.

-----  
73 de KA0GKC Claton Cadmus  
cla@mcg.net  
MNQRP #1  
Minnesota QRP'ers we're looking for you!  
Email me or visit this page <http://www.qsl.net/mnqrp>

-----  
Date: Mon, 23 Aug 1999 21:25:45 -0500  
From: "Nick Kennedy" <nkennedy@cswnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48302] OT: The truth about Altoids  
Message-ID: <008501beedd7\$f9750560\$78c888d1@big>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've seen a lot of posts about Altoids, but no one has dared to tell the terrible truth: Altoids taste terrible!!

When I built my PIXIE-2, I had to get my sons to eat the mints. (I think it's a macho thing with the kids, eating something that nasty.)

I don't want to set off an international incident. Thanks to the British for conquering the world and making the English language universal. Thanks for the Beatles and the Stones and Elvis Costello. But take those Altoids back!!

72,

Nick, WA5BDU

(Crumpets ain't bad either.)

-----  
Date: Mon, 23 Aug 1999 22:32:42 -0400  
From: Michael Bower <bowerm@ix.netcom.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [48303] two beginners questions  
Message-ID: <37C2044A.DF52916A@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

1) In making windings on a toroid (10 in this case, for the DSW+40), how important is it to make sure the wire is very tight against the toroid? Or is a little play allowed?

2) I have an interesting anomaly on soldering. I am building the DSW+40 and things are going fine. I am using a RS 15 watt pencil iron. It works fine.

But I have come across a couple of solder points where it isn't working fine. Here's what is supposed to happen as I know it. Apply the pencil iron for a few seconds. After a few seconds apply some solder. It will melt and hopefully one gets a nice looking solder joint with the particular lead coming through the board and the lead.

This works most of the time. But for a couple of solder points, I'm having a terrible time. They just won't melt right and they won't even desolder right. On the properly working solder points, I can go back to them, touch the soldering iron to the point again and it remelts the point properly (I know, don't do this too often). But for this oddball points, no matter how much I try, I can't get the solder to melt right. I also can't get it to take up properly on the de-soldering wicking. It acts like the iron is too cold BUT JUST ON THESE POINTS. I'm baffled so if anybody can enlighten me, I'm all ears. (And soon to be radio ears, I hope.) I'm a little leary of these points because they look like cold

solder joints. That, in itself, doesn't bother me, because normally you can take the old solder off and apply new. In this case, even desoldering is a pain.

Help!!!

Michael - N4NMR

-----  
Date: Mon, 23 Aug 1999 21:31:07 -0500  
From: "Nick Kennedy" <nkennedy@cswnet.com>  
To: <dave\_castor@easypower.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48304] Re: Paddle Recommendations  
Message-ID: <008a01beedd8\$b9c273c0\$78c888d1@big>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

After 37 years of hamming, I bought my first J-38 at Ft. Tuthill. I love it, but pounding a straight key is pure torture. You're gonna be happy no matter what you get, assuming "iambic" means "dual paddle", as I think it does.

Recently, (after a J-38 session), I considered what the greatest technological advance for ham radio has been. I conclude it's the electronic keyer. (Obviously, non-CW folks will have other opinions.)

72,

Nick, WA5BDU

(BTW, I have a Brown Bros and a Kent)

-----Original Message-----

From: David Castor <dave\_castor@easypower.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, August 23, 1999 6:40 PM  
Subject: Paddle Recommendations

>Folks,

>

>I'm new to this list and pretty new to ham radio - I've had my license

about

>9 months. After pounding my straight key for 9 months, I'm about ready to  
>give an iambic paddle a try and would appreciate any advice/recommendations  
>on a good starter model.

-----  
Date: Mon, 23 Aug 1999 21:35:57 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: "Alex Mendelsohn" <ai2q@ispchannel.com>, "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>  
Subject: [48305] Re: 811s  
Message-ID: <00bf01beedd9\$b453ceb0\$ade498cd@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Alex Mendelsohn <ai2q@ispchannel.com>  
To: rules@bellsouth.net <rules@bellsouth.net>; Low Power Amateur Radio Discussion  
<qrp-l@Lehigh.EDU>  
Date: Monday, August 23, 1999 10:44 AM  
Subject: RE: 811s

Hi Alex,

>What do they use for output transformers, I wonder?

>From what I've ready, they use solid silver wire for the windings!  
Also, "everything" is gold plated, and all tolerances are 1% or  
less. I'd love to go to CES (Consumer Electronic Show) and talk  
to one of their engineers about this amp. What would I ask him?  
Well, it would prolly' go something like this: "Why in the heck does  
your amp cost \$35,000.00?!" :^). I'd love to hear the "explanations"  
from that question. Bet there would be a BUNCH of BS slung in that  
conversation! :^).

72/73,

-----  
Randy Jouett, AB5NI



-----  
Date: Mon, 23 Aug 1999 22:34:01 -0400  
From: "The One and Only!" <mitch96@pobox.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48306] Re: Antenna Fantasy  
Message-ID: <37C20499.7BFEF2EB@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rhombic Antennas on Chopmist Hill (Rhode Island) Help Win World War II

For it was here on Chopmist Hill in March, 1941, that the Federal Communications Commission established and began operating a top-secret, radio-monitoring station. due to peculiarities of the terrain and certain atmospheric conditions -- it was the most effective. The station on Chopmist Hill could intercept distant radio signals with astonishing clarity, and in wartime, that was a critical advantage.

Great Story!!

Has any Rhode Island Hams ever work this site??? what a great place for field day!!

Just a thought.....

72.5, mitch ww4ml  
lost in the ethers again..

-----  
Date: Mon, 23 Aug 1999 22:46:58 EDT  
From: n5ib@juno.com  
To: qrp-l@Lehigh.edu  
Subject: [48307] NA5N - possible 2nd Edition Databook, please  
Message-ID: <19990823.213603.8127.0.N5IB@juno.com>

I'm too new to QRP to have even Paul's first volume yet, but from what I've read of his so far I'll battle to the head of the line for a copy of his next effort.

I've had some experience writing and publishing lab manuals for our student physics labs here. We do them unbound, but three-hole drilled and shrink-wrapped. Students provide their own binder if they wish. Regardless of the care given, three-hole-binder volumes don't stand up to use very well unless the paper stock is substantially heavier than "regular." Probably would need that 67 pound stock or similar. The

plastic comb binding is better, and can be added to, though it's tedious. The newer plastic spiral bindings probably would be a good choice - lets the book lay open - cookbook style. The plastic spiral doesn't bend and deform permanently as much as the wire spirals. And it is possible to "unwind" and "rewind" to add and delete pages.

Go to it Paul. Can't wait to see you doing the "book tour" thing, touting the volume on the Letterman Show, and selling the movie rights to Lucas for a center-flow hopper car brimfull of 2N2222A's. :^)

73,  
Jim N5IB

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Mon, 23 Aug 1999 19:51:10 -0700  
From: Phil Wheeler <w7ox@mindspring.com>  
To: bowerm@ix.netcom.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48308] Re: two beginners questions  
Message-ID: <37C2089E.291D7933@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Could be that those points are attached to a significant heat sink (e.g., ground plane of the board).

Phil

Michael Bower wrote:

>  
> 1) In making windings on a toroid (10 in this case, for the DSW+40), how  
> important is it to make sure the wire is very tight against the toroid?  
> Or is a little play allowed?  
>  
> 2) I have an interesting anomaly on soldering. I am building the DSW+40  
> and things are going fine. I am using a RS 15 watt pencil iron. It  
> works fine.  
>  
> But I have come across a couple of solder points where it isn't working  
> fine. Here's what is supposed to happen as I know it. Apply the pencil

> iron for a few seconds. After a few seconds apply some solder. It will  
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> particular lead coming through the board and the lead.  
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> This works most of the time. But for a couple of solder points, I'm  
> having a terrible time. They just won't melt right and they won't even  
> desolder right. On the properly working solder points, I can go back to  
> them, touch the soldering iron to the point again and it remelts the  
> point properly (I know, don't do this too often). But for this oddball  
> points, no matter how much I try, I can't get the solder to melt right.  
> I also can't get it to take up properly on the de-soldering wicking. It  
> acts like the iron is too cold BUT JUST ON THESE POINTS. I'm baffled so  
> if anybody can enlighten me, I'm all ears. (And soon to be radio ears,  
> I hope.) I'm a little leary of these points because they look like cold  
> solder joints. That, in itself, doesn't bother me, because normally you  
> can take the old solder off and apply new. In this case, even  
> desoldering is a pain.  
>  
> Help!!!  
>  
> Michael - N4NMR

-----  
Date: Mon, 23 Aug 1999 22:53:16 -0400  
From: sergio <sruiz@bright.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48309] Re: OT: The truth about Altoids  
Message-ID: <37C2091C.79D71069@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> I don't want to set off an international incident. Thanks to the British  
> for conquering the world and making the English language universal. Thanks  
> for the Beatles and the Stones and Elvis Costello. But take those Altoids  
> back!!  
>  
> 72,  
>  
> Nick, WA5BDU

thanks for john peel, too..

--

---

peace,

sergio

<http://www.bright.net/~sruiz> - "the village buzz"

"quoting other people is really lame and unoriginal..." -sergio

-----

Date: Mon, 23 Aug 1999 21:52:49 -0500

From: crc <crc@io.com>

To: QRPL <QRP-L@Lehigh.EDU>

Subject: [48310] old gear/new gear

Message-ID: <37C20901.F5026957@io.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gentlemen:

In order to expend further funds on Qrp gear I have decided to part with my old Vibroplex single lever paddle in very good but used condition for \$55 shipped USA serial #380932.

And also my trusty Swan MX100, face plate is 9.5 condition, case shows mobile paint wear \$225 shipped USA.

E-mail me direct.

Charlie C        crc@io.com

WA5KRF

-----

Date: Mon, 23 Aug 1999 22:44:54 -0400

From: wd4et@juno.com

To: bowerm@ix.netcom.com

Cc: qrp-l@Lehigh.EDU

Subject: [48311] Re: two beginners questions

Message-ID: <19990823.224604.-482461.2.wd4et@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hi Michael,

I have used the RS 15 watt blue handled soldering iron for quite a number of projects. I now have one of the temperature controlled Wellers. Well worth the investment. But the RS iron is still in the tool box for field use.

If you look carefully, the points that are reluctant to heat up are

probably on the ground plane. Sections of the circuit board that have large areas of copper clad. It conducts the heat away from the joint faster than the iron can supply it. I have found that applying a small amount of solder at the point where the iron makes contact will help. That small amount of liquid solder will help transfer the heat. Also, use the thinnest solder you can find. A heavy gauge solder will also wick heat away from your joint. Make sure your tip is very clean and "wet". Not soaked, just a shiny thin layer of solder on the tip. I keep a wet sponge and some tip cleaner handy. RS sells a small can of cleaner that can be attached to your iron stand. Dip the tip in the cleaner and then wipe the excess off on the sponge.

If all of this fails, you just might need a higher wattage iron. But, it shouldn't be necessary on any of the small board, qrp projects.

Hope this helps, 73, Jeff

-----  
Date: Mon, 23 Aug 1999 21:40:56 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: henryf@quartz.gly.fsu.edu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48312] Re: MFJ Xcvt Question  
Message-ID: <002a01beedda\$18a56ae0\$d8883cd8@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Hi Henry,

I've had that problem with my MFJ before. The 10.5V that is called out is just too close to the 12V that most batteries are. The LM317's dropout voltage is too high for this close of a margin. The cure is simple (assuming the same problem). Just re-adjust the voltage regulator to 10.5V or slightly lower. Whenever I plan to operate on battery for long periods of time I adjust the regulator just a tad below 10.5V. Other users have changed out the regulator chip with one that has a lower dropout voltage. I've also noticed similar problems when operating in cold temperatures (the regulator adjustment probably drifts).

When adjusted properly the rig recovers fine and works great. Good luck.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Mon, 23 Aug 1999 20:07:35 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: <bowerm@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48313] Re: two beginners questions  
Message-ID: <025e01beeddd\$d1a59e40\$e4424cd1@k6qq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Michael Bower <bowerm@ix.netcom.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Monday, August 23, 1999 7:32 PM  
Subject: two beginners questions

> 1) In making windings on a toroid (10 in this case, for  
the DSW+40), how  
> important is it to make sure the wire is very tight  
against the toroid?  
> Or is a little play allowed?

Hard to quantify without being able to demonstrate, but wind  
them  
\*reasonably\* tight. Don't risk breaking the wire and pull  
just  
short of bruising your fingers.

>  
> 2) I have an interesting anomaly on soldering. I am  
building the DSW+40  
> and things are going fine. I am using a RS 15 watt pencil  
iron. It  
> works fine.

Another one that "you need to be there". Personally, I  
think a 15 watt  
iron is a little marginal. I use a 60 watt Weller  
temperature controlled  
iron.

Be sure your tip is clean. Wipe it on a wet sponge, and then apply a little solder to it before trying to make a joint. I place the tip on both items to be soldered, and then almost immediately, try to feed a little solder to the combination, to aid heat transfer. If nothing happens in two or three seconds, your iron is probably not big enough.

> This works most of the time. But for a couple of solder points, I'm  
> having a terrible time. They just won't melt right and they won't even  
> desolder right.

If you take a good look, you will probably find that the ones giving you trouble probably have more "thermal mass" (that is, more metal) that you're trying to heat. Maybe it is a connection to the ground plane, or a large component that is sucking up the heat.

Good luck & 72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395.

-----  
Date: Mon, 23 Aug 1999 21:56:10 -0500  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: bowerm@ix.netcom.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48314] Re: two beginners questions  
Message-ID: <003001beeddc\$392ea9a0\$d8883cd8@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Michael,

I suspect the soldering problem is due to the fact that some feedthroughs are attached to ground or power planes. This creates a heatsink that takes

the heat away faster then your 15W iron can supply it. I would suggest a higher powered iron for these points. Select an iron that will allow you to make the joint in less then 5 seconds. Remove the iron and the solder at the same time. A lot of mildly activated flux will do wonders for your soldering.

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Mon, 23 Aug 1999 22:01:59 cdt  
From: Bill H Hays <[wj5o@juno.com](mailto:wj5o@juno.com)>  
To: QRP-L@LEHIGH.EDU  
Subject: [48315] doubler help needed  
Message-ID: <19990823.220200.-867167.1.WJ50@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi All,  
I need assistance - - again.  
Does anyone have a simple frequency doubler to follow a clock oscillator "can"? I want to double 26MHz to be in the 6 Meter band. All my reference material was printed before solid state computers and radios.  
Any help would be appreciated.  
If you have a schematic - I can take attachments via  
[wj5o@worldnet.att.net](mailto:wj5o@worldnet.att.net)

Thanks again.

73 Bill "Sparkling City by the Sea" WJ50/B 28.289MHz  
Corpus Christi, Texas

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Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Mon, 23 Aug 1999 23:17:51 EDT  
From: RangerSF5@aol.com  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)



Subject: [48316] NA5N's MFJ tune up tips  
Message-ID: <1e9ba0a.24f368df@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I decided to post Paul's tune up tips for the MFJ CW QRP RIGS rather than keep uploading the info so it's here for all to see.

Thanks Paul

NA5N

Bob

WA2HOQrp <tm>90xxmod.txt

MFJ 90xx SERIES 5W QRP TRANSCEIVERS

#### OVERALL OPINION.

The MFJ rig works as advertised with room to spare. This would hold true for any QRP rig using the same general circuit. The NE602/MC scheme is an excellent 3-chip receiver with a sensitivity that rivals big rigs (~2uV/-120dBm region). It favors well to many of the recent kits on the market, with the advantage of purchasing a ready-to-go rig, and one feature often missed ... they're built like a tank in a stout enclosure that can well tolerate some ruff, banging around use.

The XMTR portion is about the same ... works great for its simplicity with good harmonic suppression on the output. It is hard to misadjust the transmitter to exceed FCC specs for the -30dB down harmonic suppression, EXCEPT FOR OVERDRIVING the transmitter which will guarantee out-of-spec emissions. The 2N5109 QB driver and MRF-476 Q9 PA final operate pretty close to their limits. This should be no problem for CW, but would likely be fatal for RTTY/packet at full power. This would be true for any rig running 4-5 watts from a single MRF-476.

#### RECEIVER SECTION

1. L3 VFO Cal is very touchy! 1/2 turn=50 kHz on 40M, ~100 kHz on 30M.
2. Tweaking the RF-1F cans by sound off a weak signal (to keep the AGC from kicking in) is a very good way to optimize the IF's for best gain and noise figure. Recommend using an Amtor/RTTY sig for a more constant signal level.
3. T1, the first IF can after the U1 NE602, has the most profound effect on images. If you're having images, birdies or excessive noise floor, adjust T1 for peak, then back off a bit to reduce noise. This will scarcely effect IF gain, but images and noise drop 10dB in <1/4 turn.
4. BFO adjustment C67 is also very touchy (although only effects detected CW tone, not the VFO frequency). Use insulated screw driver.
5. In the lab tests, note the AGC voltage vs. the gain reduction produced. In my opinion, the gain reduction is too high for weak signal reception (typical QRP work!). Try setting AGC V. (TP2) to 3.6 or even less with no signal for enhanced weak signal gain. If you're using the CW filter, this will also give a better sounding sidetone. Play with it for your taste.

There is nothing sacred about the ABC voltage. It is strictly for operator convenience. A lower setting will make it a bit prone to strong signal overloading, however. One quick poor-man's method to properly set the ABC voltage is to adjust the AGC gain pot for a pleasing sounding sidetone. When the sidetone is loud and raspy, you are driving the receiver into gain compression; when it sounds pure, the AGC gain reduction is properly set for strong signals. This does not effect the overall gain to weak signals.

6. One of the mods I've added to several MFJ's is a front panel mini-toggle switch for AGC FAST-SLOW. The AGC FET has a 1M from the gate to ground; the switch in AGC FAST places a 5.1K across this 1M ohm resistor to greatly speed up the discharge time of the AGC cap. This works great in high static situations, where static impulses seems to nearly mute the MFJ due to the long time constant. The AGC SLOW position in the MFJ "as-it-comes" (no mod to the time constant).

#### TRANSMITTER SECTION

1. VFODRIVE R41. MFJ manual says don't exceed drive past the out put power plateau or else spurious emissions may occur. An UNDERSTATEMENT. It gets so ugly on a spectrum analyzer, I haven't the words to describe it.

You CAN judge by the sound of the sidetone ... when it starts to hum a bit, your 2nd and 3rd harmonics are coming up. When a sidetone gets raspy, you are generating hash from DC to light and the MRF-476 is in VHF oscillation. The point where the sidetone just leaves that pure sound is maximum power with the cleanest output and the most reduced harmonics.

In other words, set the drive control for max output just as the MFJ manual describes.

2. Peaking the TX1 and TX2 cans (L6 and L7) is very important. These are the filters coming out of the TX VFO Mixer NE602, before the Q7 buffer.

Adjust for peak output on RF meter. While peak on L7 may seem a bit sluggish, exact peak has lowest harmonic power and provides proper signal level and bias to drive QB. Don't hesitate to peak these TX cans. Lowest harmonic content occurs when these are peaked.

3. When peaking TX1 and TX2, your output power can also fall off as you move away from the frequency where you peaked them. If you desire a more constant output power vs. frequency, stagger tune TX1 for peak power towards the bottom 1/3rd of the band and TX2 towards the upper 1/3rd of the band.

Output power may be reduced 0.5W this way, but the overall output power will be flatter across the tuning range.

4. TX OFFSET C66 is very touchy. This is what determines your TRA NAMIT frequency by mixing the VFO from the RX with the TX offset freq. Obey the proper sequence in the MFJ manual for the order in adjusting the VFO CAL, TX OFFSET and BFO for proper TX-RX offsets. HINT: If you can get the TX offset for exactly 700 Hz shift, then adjusting the BFO for the 700 Hz sidetone is easily done just by sound. Then, when you answer a CQ, tune in the station for the same tone as your XMIT offset, and you will be right on his frequency.

#### CLOSING THOUGHTS/TECH NOTES

1. Some of the earlier versions of the MFJ's were prone to frequency drift,

up to 1KHz in the space of a QSO. This was dramatically improved by MFJ by incorporating silver mica caps in the VFO circuit. If you have an older rig with the dipped mica caps in the VFO, call MFJ ... they will send you the more temperature stable caps for free, or for shipping.

This has not been a big reported problem in the past couple of years since MFJ made this change.

2. I destroyed the Q7 2N5486 FET transmitter buffer (for reasons I won't elaborate!) The old junk-box standard. MPF-102 FET, worked just fine and would probably be a suitable replacement for any of the 2N5486's.

3. The omniron relay used for the T-R switching is rated for 100,000 actuations. This means if you set minimum delay for almost QSK operation, you could burn out that relay by exceeding its actuation limit. It is available from Digi-Key for about \$5.

4. If you take your MFJ apart ... make sure when you bolt down the MRF-476 PA, you get it good and tight for maximum heat transfer. It does get hot. Also, don't loose the mica insulator (no part of Q9 should be touching ground). Q8 driver 2N5109 also can get quite warm with active use. My 9040 had a heat sink on Q8 and ran cool, but my 9030 did not and ran hot to the touch. Added a heat sink for precaution.

Hope the information and comments help. Of course, your mileage may differ. These are fun rigs, work well, and easy to modify, play with and learn some electronics. Always interested in your comments or measurements.

72, Paul Harden, NA5N  
pharden@nrao.edu or NA5N@rt66.com

-----  
Date: Mon, 23 Aug 1999 20:36:01 -0700  
From: "al dawkins" <alk0frp@earthlink.net>  
To: <qrp-1@lehigh.edu>  
Subject: [48317] CQC QSO Party K0FRP  
Message-ID: <007101beede1\$cb8a1000\$5ddd98a9@adawkins>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

On the 19th floor of the Hilton I could see some RF coming through the desert Haze. No rig Darn.  
Later while walking down Las Vegas Blvd and entering Ceasars Palace I heard "Hail Ceasar" and heard "CQ TEST W0CQC K" and I opened my eyes and NO it was just this guy in a white toga and fig leaves around his head.  
The steady sound of jackpots going off produced heavy QRM so results of the CQC QSO party  
0 QSO's  
0 SPC

But I had thought's and did enjoy my weekend in Vegas celebrating my 25th wedding anniversary . I even came home with some Vegas money and left a little for the Hotel and meals.

I'LL BE BACK in the next CQC contest

AL Dawkins K0FRP

-----  
Date: Mon, 23 Aug 1999 20:40:46 -0700  
From: Russ Dow <n7dw@garlic.com>  
To: w5yr@swbell.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48318] Re: Old Heath Gear  
Message-ID: <37C2143E.6982F822@garlic.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

George and the gang,

Bear in mind that in the olden days transmitters and amplifiers were rated by INPUT, not output. The SB2xx amps were rated the old way, so 1200 watts output would be pretty good from 2 KW input. Maybe too good. Others could advise you better, but I suspect if you are getting 1200 out, your input might be above 2 KW. That could be rough on the finals. Watch that plate current!

73,  
Russ N7DW

George T. Baker wrote:

> And while we are proof-reading his post, the SB-221 is hardly a 2000 watt  
> amplifier! A pair of 3-500Z's just like the original SB-220 and sharing  
> the same limited power supply. Best I could do on 40 meters was about  
> 1200 watts keydown and that is about typical. Forget about the  
> peak-reading wattmeters on SSB, etc. They are good for marketing but not  
> for measuring real power output.  
>  
> Oops! Now I have unwittingly disclosed my unclean past of 30 years ago  
> when I thought that QRO made the man! ;^)  
>  
> 72/73, George AMA 98452 R/C since 1964  
> Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
> AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County

> QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE  
>  
> Alex Mendelsohn wrote:  
> >  
> > Arthur, the SB-401 isn't a transceiver. It's the companion, or stand-alone,  
> > transmitter to the SB-303.

-----  
Date: Mon, 23 Aug 1999 18:12:59 -1000  
From: "Art Neilson, KH7PZ" <art@hawaii.rr.com>  
To: rsealey@InfoAve.Net  
Cc: qrp-l@lehigh.edu  
Subject: [48319] Re: QRP Design  
Message-ID: <3.0.6.32.19990823181259.008cbec0@clients1.hawaii.rr.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I also would most certainly purchase a second edition with more parts and such in it. I am quite proud to own an autographed copy of The Data Book and use it quite often to lookup specs on various parts in the rigs I've been building. Thanks Paul!!!

At 09:18 PM 08/23/1999 -0400, you wrote:  
>At 08:03 AM 08/23/1999 -0400, you wrote:  
>>Gangue,  
>> Paul Harden's [NA5N] fine Data Book for Homebrewers and QRPers belongs  
>>on the workbench of every committed QRP homebrewer/builder. The hobby is  
>>growing so quickly and there are so many new products out there that Paul  
>>says he has thought of a second edition <yea!>. One of his questions  
>>concerns format. I think he is considering 3 ring binder - loose leaf,  
>>allowing future updates.  
>>We should encourage this effort. What do you think?  
>>Wayne Reed, k9ne  
>>wlreed@custom.net  
>  
>Actually, I prefer it the way it is. Bring out a 2nd edition, I'll buy it.  
>  
>Rick - W4SEA  
>High Point, NC  
>  
>  
--

--

/ ) \_/\_ It is a capital mistake to theorise before one has data.  
/--/ \_\_ / Insensibly one begins to twist facts to suit theories,  
/ (\_/ (\_<\_\_ Instead of theories to suit facts.  
-- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, KH7PZ  
Bank of Hawaii Tech Support  
art@hawaii.rr.com

-----  
Date: Tue, 24 Aug 1999 02:12:20 EDT  
From: DYARNES@aol.com  
To: qrp-1@lehigh.edu  
Subject: [48320] Re: MFJ Hi-Q Loop Antennas  
Message-ID: <6e083bd3.24f391c4@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hi Folks,

Here's my two cents worth about small transmitting loops. First of all, I have used them sporadically but enough to know that I'm better off with an antenna up in the air. However, that is not to say that they don't have a valid purpose. Their size is very appealing in certain situations. If it suits your needs, I think you should give it a try. A high rise condo or apartment is a good example of where these could be your best option. A picnic table in the park is another. You WILL work stations--but you are apt to lose an S unit or two.

The most frustrating thing about small loops is that they can be the devil to tune. They are very sharp. I first built a loop per an article in QST some 5 years ago or so. It worked very well, but you had to be very attentive while tuning. The suggested motor in the article for tuning the capacitor came from Edmund Scientific. It was a very slow 12 volt motor, but still you could miss the peak point if you weren't careful.

Later I acquired an MFJ loop (second hand for a nice price) and it worked equally well. The tuning control has a meter on it, so at least you have something to guide you as you tune.

I strongly suggest you use these small loops in a vertical configuration. That way you don't have to be so concerned about getting them very far up off the ground. Sitting on a table top is probably just fine. This way they have a fairly low take off angle. On the other hand, if you use horizontal polarization, you had better get it up in the air a bunch.

I have worked a fair amount of DX on 20 meters using small loops. With the bands seemingly getting better every day, I think trying a loop is a worthwhile alternative.

Those of you who are particularly put off by the cost of the MFJ or AEA loops should seriously consider the do-it-yourself approach. A small motor (from Edmunds Scientific or other supplier), a variable (Ten-Tec sells good ones--your junk box may yield one just as good or better), and some copper tubing is all you need. It was not a difficult project at all.

One word of caution. The voltage that is generated across the variable is very significant, even at QRP levels. BE CAREFUL!

Have fun.

Dave W7AQK

-----  
Date: Mon, 23 Aug 1999 23:22:14 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Nick Kennedy <nkennedy@cswnet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48321] Re: OT: The truth about Altoids  
Message-ID: <Pine.GS0.4.10.9908232321360.15533-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 23 Aug 1999, Nick Kennedy wrote:

> I've seen a lot of posts about Altoids, but no one has dared to tell the  
> terrible truth: Altoids taste terrible!!  
>

Egad!

I guess I didn't know any better....I LOVE em!

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Tue, 24 Aug 1999 02:41:02 -0500  
From: "Randy Jouett" <rules@bellsouth.net>  
To: <k7qo@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48322] Re: QRP Design  
Message-ID: <011d01beee04\$06461a50\$ade498cd@spock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Chuck Adams, K7QO <k7qo@hotmail.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, August 23, 1999 10:33 AM  
Subject: Re: QRP Design

Hi Chuck/Gang,

>Thanks for the info on the price increase on the book.

>

>I am a firm believer in books. You will not find what you need on  
>the Internet.

I agree with you 100% here, Chuck. You can NEVER have enough books on a subject, IMHO :^). You are getting close to having a decent library when you start saying, "Well, where in the heck am I going to store this book," or when you start zig zagging around book piles on the shack floor. You also know that you are on the right track when you start buying book shelves, fill em' up as soon as they are installed, and then start wondering if all these book-cased lined walls are going to increase the over-all R factor and promote airconditioning savings. Then and ONLY then are you getting close to having enough books :^).

>1. Visit your used book stores often. Here in Dallas we have many  
> with Half Price Books being the most popular and the biggest  
> with a new store to open up on Northwest Highway just east of  
> I-75 (also know as Central Distressway :-). I have found a  
> number of technical books for under \$10, but you have to get  
> there before someone else catches the find.

Have one right across the street from the university here. A lot of good prices, too.



>2. I mentioned at Tuthill when someone else asked the same question  
> on learning design. If you live near a college, browse the book  
> store to see what book(s) they are using. Hey, maybe you could  
> sign up for the course if it is taught at night.  
>  
>One problem that many will/may face. For the really good design  
>work you are going to need a significant amount of mathematics.  
>It is a technical subject and requires it to fully understand a lot  
>of it. You don't do brain surgery with a butter knife.

Fortunately, I've never had a problem with math and love it. Probably has something to do with my love of music, so my dad used to tell me (shrug). Anywho, I have a friend that has a kid that was majoring in CS, and he wanted to know if I could tutor his kid in math. I told him to go out and buy a GED manual (for simple explanations) and purchase one of the math CD-ROM programs on the market these days. After he did all this, his understanding of math increased 100 fold and he didn't need any tutoring. These days he's taking differential equations, set theory, and linear algebra at the local university and almost has a minor in math. I showed him some 3D code that I was working on (matrix multiplication with translations) and the kid just spit out -- off the top of his head! -- how it was done :^).

Anywho, what this all boils down to is this: there are a LOT of books and programs out there these days that will help the neophyte and set them on the proper path. With a little work and study, YOU can design hobby radios. They might not be as fancy as the engineers who studied thermo dynamics, physics, and chemistry, but they will work and give YOU enjoyment, and might even win you a QRP building contest or three :^).

BTW, these aren't my words, exactly. They are the words of my RF design elmer who has been designing electronics for 40 years. Yes -- he sure does know how to encourage me :^).

>Education is expensive no matter how you get it. --- K7QO

Sure is, Chuck!

72/73,

----

Randy Jouett

P.S.

If you find a book that you don't like or understand, "trash it."  
Actually, "trash" means trade it off at a 2nd-hand book store :^).  
There are a ton of authors out there, and one of em' will probably  
write in a style to your liking. In other words, just because someone  
has a Ph.D. or is a "known expert" in a field doesn't mean that they  
have the gift of gab and sit on the top of the instructional mountain  
of bliss.

On the other side of that coin, IMHO and from reading his postings and  
explanations, Paul Harden should write as many RF books as possible :^).

-----  
Date: Tue, 24 Aug 1999 02:23:53 -0700  
From: "Dave Fifield" <fifield@pacbell.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Cc: <KG2ED@aol.com>  
Subject: [48323] New Paddles Arrived!!  
Message-ID: <003d01beee12\$659c0ba0\$0100a8c0@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks, I can't keep it in....gotta tell you...

Guess what was waiting for me when I got home from  
work tonight -- serial number 005 (matches my NorCal  
Zombie number!) set of THE MOST BEAUTIFULLY BUILT  
PADDLES I HAVE EVER SEEN OR USED!!!

I'm referring to my new KG2ED built Mercury copy (improved  
if you ask me!) paddles.....they are a CW ops dream come  
true! Richard has obviously put many, many hours of work  
and tender loving care into building these for me. An example  
is the paddle material he chose -- he has almost perfectly  
matched the red color of the anodized Red Hot Radio cases!  
Now that's class! I'll get a picture up on the RHR website to  
show them off asap. The engraving and chrome plating are  
impeccable, nay, perfect!

IMHO, these paddles are well worth the price - comparing  
them to my old \$80 Bencher paddles is like comparing the  
experience of fine dining to visiting mickey d's. They are in  
a totally different league. They are REAL smooth to operate

and they look a million dollars!

Catch me on the air using them this weekend coming....  
and I'll be bringing them along to the next NorCal meeting  
to show off too.

I've copied Richard on this email to let him know how much  
I appreciate his wonderful skill and obvious dedication to the  
craft. Folks, if you're interested in getting your own set, give  
Richard an email (mailto:KG2ED@aol.com) for details.

72, Dave Fifield, AD6A

Usual disclaimers apply (you know, I'm not affiliated with the  
company, just a happy customer etc.).

-----  
Date: Tue, 24 Aug 1999 09:46:13 +0100  
From: "Tony Fishpool" <g4wif@btinternet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [48324] Re: QST Sept issue  
Message-ID: <00ae01beee0e\$57c90fe0\$f004063e@p75>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Am I the only one that doesn't know what a ULS is? and should I know being  
the holder of a U.S. callsign.

73 (a confused) G4WIF/K4WIF  
Dartford  
England

-----  
Date: Tue, 24 Aug 1999 06:13:23 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: g4wif@btinternet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48325] Re: QST Sept issue  
Message-ID: <3.0.2.32.19990824061323.007e5610@bosshog.globeco.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Tony et al,

ULS is the universal licencing system. It became a requirement for all U. S. hams on August 16th. According to info in the VE newsletter, you can get your ULS number via snail mail. You will need a TIN (tax identification number) which for most in the U. S. is their social security number.

The web site is <http://www.fcc.gov/wtb/uls/>

By mail, you need form 606

At 09:46 AM 08/24/1999 +0100, Tony Fishpool wrote:

>Am I the only one that doesn't know what a ULS is? and should I know being  
>the holder of a U.S. callsign.

>

>73 (a confused) G4WIF/K4WIF

>Dartford

>England

>

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----

Date: Tue, 24 Aug 1999 07:24:26 -0700  
From: JPD <jdanter@mail.i-america.net>  
To: qrp-l@Lehigh.edu  
Subject: [48326] re: uls faq  
Message-ID: <37C2AB1A.73C@mail.i-america.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

[http://www.fcc.gov/wtb/uls/uls\\_faq.html](http://www.fcc.gov/wtb/uls/uls_faq.html)

-----

Date: Tue, 24 Aug 1999 04:53:41 PDT  
From: "Todd Huovinen" <kb5tmd@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [48327] Re: www  
Message-ID: <19990824115342.28950.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

I think the 5, 10 and 15 Mhz. WWV's run 10KW and 20 Mhz. runs 6KW.

73,

Todd

>From: "Jerry W. O'Dell" <jwodel1@ameritech.net>  
>Reply-To: jwodel1@ameritech.net  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: wwv  
>Date: Thu, 19 Aug 1999 06:54:42 -0400  
>  
>Anyone know how much power WWV runs on  
>60khz (or whatever their vlf time signal is)?  
>  
>Thanks  
>  
>73 jerry w8gnd  
>  
>

---

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

-----  
Date: Tue, 24 Aug 1999 12:06:01 GMT  
From: hb9dnn@gmx.net (Robert M. Ganter)  
To: qrp-1@lehigh.edu  
Subject: [48328] Re: Heathkit  
Message-ID: <37c389b9.694100744@scts98.ens.ascom.ch>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Howdy,

An additional site to mention:

<http://www.bboxbbs.ch/home/heathkit/>

Might be interesting for those looking for Heathkit documentation.

73/72

Robert

--=20

Robert M. Ganter HB9DNN

-----  
Date: Tue, 24 Aug 1999 07:04:42 -0500  
From: George F Franklin <w0av@juno.com>  
To: mitch96@pobox.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [48329] Re: QQQ & QFA  
Message-ID: <19990824.070443.-249011.0.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hello Mitch,

These two Q signals date back to WW2 military mobile CW operations:

      QQQ      Your signals too weak to copy. Wipe the bird  
"droppings" off your  
                  antenna.

      QFA      Quit "fooling" around. There were at least two other  
versions of this  
                  signal with alternatives for "fooling."

I was fortunate enough to be given the opportunity to used these and other Q signals toward the end of WW2 as my unit (113th Cav. Recon. Squadron, Troop A) moved rapidly eastward in Germany to meet the Russians at the Elbe River. My rig was an SCR508 mounted in an armored car, with a whip antenna. Yep, I used the good old leg key with the steel strap which cut off most circulation in your right leg.

Memories of yore!

72 de George/W0AV

-----  
Date: Tue, 24 Aug 1999 07:08:25 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: g4wif@btinternet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48330] ULS (universal licencing system)  
Message-ID: <3.0.2.32.19990824070825.007e5610@bosshog.globeco.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP-L folks,

ULS is the universal licencing system. It became a requirement for all hams with U. S. licences on August 16th. According to info in the VE newsletter, you can get your ULS number via snail mail. You will need a TIN (tax identification number) which for most in the U. S. is their social security number. A

The web site for registration is <http://www.fcc.gov/wtb/uls/>

VEs will use form 605 starting August 16th.

By mail, you need form 606 to apply for your number.

Pre-registration in ULS is preferred.

The FCC has agreed to an auto-registration mechanism using data collected from NCVEC form 605 which is submitted electronically from the VECs to the FCC.

Form 610 can be used for six months with the TIN being written plainly on the top of the form.

Addresses:

FCC  
1270 Fairfield Rd  
Gettysburg PA, 17325-7245

<http://fcc.gov/pubs/formpage.html>

<http://ftp.fcc.gov/pub/forms/form606>

Phones:

Fax - 717-338-2693 to send form 606

Fax - 202-418-0177 to request form 606 (ask for form 000606)

800-418-3676 to request a form 606 from the FCC forms distribution center.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

-----  
Date: Tue, 24 Aug 1999 07:11:31 -0500  
From: Jay Freeman <jayFreem@direcpc.com>  
To: rules@bellsouth.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48331] Re: 811s  
Message-ID: <37C28BF3.BD2B8B4E@direcpc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Howdy,

Randy Jouett wrote:

> What would I ask him?  
> Well, it would prolly' go something like this: "Why in the heck does  
> your amp cost \$35,000.00?!" :^). I'd love to hear the "explanations"  
> from that question. Bet there would be a BUNCH of BS slung in that  
> conversation! :^).

The true answer is "Because there are enough fools who will pay that much". :)

73,

Jay

--  
\*-----\*  
\* Jay Freeman - WT9S ARRL \*  
\* G-QRP 10319 QRP-ARCI 9981 ARS 562 \*  
\* SASS #18700 NRA Life \*  
\*-----\*

-----  
Date: Tue, 24 Aug 1999 07:22:35 -0500  
From: Jay Freeman <jayFreem@direcpc.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48332] Web page  
Message-ID: <37C28E8B.36202FA1@direcpc.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Howdy Neighbors,



I have put up the merest beginnings of a QRP related website at <http://www.qsl.net/wt9s> . I've got several pictures of my DSW-20 in progress. It could take a long time to load them all :).

73,

Jay

--

```
*-----*
* Jay Freeman - WT9S                ARRL *
* G-QRP 10319 QRP-ARCI 9981 ARS 562  *
* SASS #18700                      NRA Life *
*-----*
```

-----

Date: Tue, 24 Aug 1999 05:11:58 -0700 (PDT)  
From: Stanley Wilson <microres@crl.com>  
To: Bill H Hays <wj5o@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48333] Re: doubler help needed  
Message-ID: <Pine.SUN.3.91.990824050521.13856A-100000@crl3.crl.com>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 23 Aug 1999, Bill H Hays wrote:

> I need assistance - - again.  
> Does anyone have a simple frequency doubler to follow a clock oscillator

A doubler (frequency multiplier) is a circuit with the output tuned to twice the input frequency. Just about any simple RF transistor circuit will work since most of them are Class C anyway.

However, a nice circuit from the good old days of tubes (like 1930) was to drive the input of a couple tubes (transistor bases) in push-pull and connect the output (collectors) in parallel. This also kills the odd harmonics in the output. Since the output and input are tuned to separate frequencies you do not have to worry about the stage oscillating.

de stan ak0b

-----  
Date: Tue, 24 Aug 1999 08:24:55 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <sruiz@bright.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48334] Re: OT: The truth about Altoids  
Message-ID: <009401beee2b\$ad383920\$9001a8c0@mikey.wn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>> I don't want to set off an international incident. Thanks to the  
British  
>> for conquering the world and making the English language universal.  
Thanks  
>> for the Beatles and the Stones and Elvis Costello. But take those  
Altoids  
>> back!!  
>>  
>> Nick, WA5BDU  
>  
>thanks for john peel, too..  
>\_\_\_  
>peace,  
>sergio

EMMA Peel!!! Emma Peel, and John Steed. But mainly Emma Peel.

I think that was the first show to have an episode banned from broadcast  
in the US. Well, first 'generic' show. But I recently saw the banned  
show.

I think on Nick At Night? Or maybe it was TV-Land. It was pretty tame.  
Although some of them weren't...

Mike Yetsko  
N1DVJ

-----  
Date: Tue, 24 Aug 1999 06:56:52 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>

To: nkennedy@cswnet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48335] Re: OT: The truth about Altoids  
Message-ID: <37C29694.CEA6B282@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

> I've seen a lot of posts about Altoids, but no one has dared to tell the  
> terrible truth: Altoids taste terrible!!  
>

True! They are nasty. Some of my friends actually like them, which saves me a lot of grief. Perhaps, we should start a thread. Does anyone know of a good alternative use for Altoids. I was wondering if I could use them to kill the snails in my garden.

> When I built my PIXIE-2, I had to get my sons to eat the mints. (I think  
> it's a macho thing with the kids, eating something that nasty.)

Spare your children! Surely, there is a more humane use for them.

> I don't want to set off an international incident. Thanks to the British  
> for conquering the world and making the English language universal. Thanks  
> for the Beatles and the Stones and Elvis Costello. But take those Altoids  
> back!!

It is just their way of getting back at us for winning that war.

Bruce kk7zz

(British electronic magazines are great!)

-----  
Date: Tue, 24 Aug 1999 09:12:35 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@lehigh.edu  
Subject: [48336] Re: Feedline Measurements- Computer Ribbon Line  
Message-ID: <37C29A43.4055076A@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Periodicity effects can be very frequency specific. Consider a tiny manufacturing flaw every 2 feet--this can cause a huge problem at a wavelength of 2 feet, and a significant problem at lower frequencies.  
73--Zack Lau

-----  
Date: Tue, 24 Aug 1999 08:36:46 -0500  
From: Brian Murrey <brian@iquest.net>  
To: kizerian@ced.utah.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48337] OT: The truth about Altoids  
Message-ID: <37C29FEE.A6E0BFD0@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Are they REALLY British?

Philip Morris owns Altoids and I hear they're actually made in the US...but I haven't been able to confirm that just yet.

Cosmo had some interesting uses for Altoids about a year ago. I'll just leave that one alone.

Bruce Kizerian wrote:

>  
> Nick Kennedy wrote:  
>  
> > I've seen a lot of posts about Altoids, but no one has dared to tell the  
> > terrible truth: Altoids taste terrible!!  
> >  
>  
> True! They are nasty. Some of my friends actually like them, which saves me a  
> lot of grief. Perhaps, we should start a thread. Does anyone know of a good  
> alternative use for Altoids. I was wondering if I could use them to kill the  
> snails in my garden.  
>  
> > When I built my PIXIE-2, I had to get my sons to eat the mints. (I think  
> > it's a macho thing with the kids, eating something that nasty.)  
>

> Spare your children! Surely, there is a more humane use for them.  
>  
> > I don't want to set off an international incident. Thanks to the British  
> > for conquering the world and making the English language universal. Thanks  
> > for the Beatles and the Stones and Elvis Costello. But take those Altoids  
> > back!!  
>  
> It is just their way of getting back at us for winning that war.  
>  
> Bruce kk7zz  
>  
> (British electronic magazines are great!)

-----  
Date: Tue, 24 Aug 1999 09:51:51 -0400  
From: Ken Newman <N2CQ@citnet.com>  
To: <bob@vramp.net>  
Cc: QRP-L@lehigh.edu, njqrp@njqrp.org  
Subject: [48338] NJQP Summary - WQ2RP  
Message-ID: <3.0.6.32.19990824095151.008a2950@mail.citnet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

# NEW JERSEY QSO PARTY

Call used: WQ2RP Location: CAM/GLOU

Category: QRP Portable Mode: CW Power: 5W

Callsign of Operator: N2CQ

If multi-operator, show calls of all operators and loggers:  
N2CX (Part 1), N2CQ (Part 2)

Exchanged Information: WQ2RP RST nr CAM (Part 1)  
WQ2RP RST nr GLOU (Part 2)

band	CW QSOs	CW pts	Ph QSOs	Ph pts
160	0	0	0	0
80	4	12	0	0
40	44	132	0	0
20	24	72	0	0
15	3	9	0	0

10	0	0	0	0
-----				
TOTAL	75	225	0	0

( 225 ) QSO points X ( 33 ) Multipliers = 7,425 points

Club or Team Name: NJ QRP Club

Comments:

Part 1: Joe Everhart, N2CX. Camden County.

Part 2: Ken Newman, N2CQ. Gloucester County.

Portable QRP Station

I have observed all competition rules as well as all regulations for amateur radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the contest committee.

Date\_\_\_\_\_ Signature\_\_\_\_\_ Call\_\_\_\_\_

Name: NJ QRP Club

Ken Newman Call: WQ2RP

81 Holly Drive

Woodbury, NJ 08096

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~

<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~

WQ2RP

-----

Date: Tue, 24 Aug 1999 08:54:31 -0500  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [48339] For Sale or For Trade  
Message-ID: <C0DFB43A0D57D311B0170000F8BDCA840AE38B@alrsrcv02>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

FOR SALE or TRADE ...gotta trim down my toybox....

1. NORCAL 38 Special -- I built this radio stock. Has the genuine "thump" and all original documentation. . \$25.00 and that includes shipping. or trade for "Solid State Design for the Radio Amateur"

2. Realistic HTX-100 10M SSB/CW transceiver. -- Seems to hear well. I can't get it to transmit (that I can tell) and I am out of patience with it. The microphone was destroyed - (not the result of my impatience). Comes with a Comet 10m mobile antenna. I paid \$150.00 for it with the antenna and I will sell for \$100.00 and that includes shipping. or will consider trade for Centennial 80m or 40m or 20m SSB kit or Norcal Cascade kit...(rather have one of the radio kits- built or unbuilt) .please remember that I can't get it to transmit.

3. TANDY PC-6 Pocket Scientific Computer. -- This is a pocket sized computer built about 1986 that runs for a long time on three small button type batteries (book says up to 85 hours). 24 digit dot matrix LCD display. can store up to 10 small BASIC programs. I came across this gem and put new batteries in it and it works well. Comes with original manual. Appears not to have been used. \$90.00 or will trade for MFJ 418 Code Tutor. (rather have the code tutor)

email direct if possible to avoid list clutter and I will post promptly if any of these items move.

Steve Brockwell KC5TTY  
100 Keeney Rd.  
Elgin, OK 73538

-----  
Date: Tue, 24 Aug 1999 08:56:42 -0500  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [48340] Recall: For Sale or For Trade  
Message-ID: <C0DFB43A0D57D311B0170000F8BDCA840AE38C@alrsrcv02>  
MIME-Version: 1.0  
Content-Type: text/plain

Brockwell, Stephen E. would like to recall the message, "For Sale or For Trade".

-----  
Date: Tue, 24 Aug 1999 08:58:12 -0500  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [48341] For Sale or For Trade  
Message-ID: <C0DFB43A0D57D311B0170000F8BDCA840AE38D@alrsrcv02>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"

FOR SALE or TRADE ...gotta trim down my toolbox....

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2. Realistic HTX-100 10M SSB/CW transceiver. -- Seems to hear well. I can't get it to transmit (that I can tell) and I am out of patience with it. The microphone was destroyed - (not the result of my impatience). Comes with a Comet 10m mobile antenna. Also comes with the Radio Shack technical manual (schematics and alignment instructions etc.... that was \$22.00 alone) I paid \$150.00 for it with the antenna and I will sell for \$100.00 and that includes shipping. or will consider trade for Centennial 80m or 40m or 20m SSB kit or Norcal Cascade kit...(rather have one of the radio kits- built or unbuilt) .please remember that I can't get it to transmit.

3. TANDY PC-6 Pocket Scientific Computer. -- This is a pocket sized computer built about 1986 that runs for a long time on three small button type batteries (book says up to 85 hours). 24 digit dot matrix LCD display. can store up to 10 small BASIC programs. I came across this gem and put new batteries in it and it works well. Comes with original manual. Appears not to have been used. \$90.00 or will trade for MFJ 418 Code Tutor. (rather have the code tutor)

email direct if possible to avoid list clutter and I will post promptly if any of these items move.

Steve Brockwell KC5TTY  
100 Keeney Rd.  
Elgin, OK 73538

-----  
Date: Tue, 24 Aug 1999 14:06:42 +0100  
From: "Steve Sorrell" <ap036@detroit.freenet.org>



To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48342] Re: OT: The truth about Altoids  
Message-ID: <013a01beee31\$83f48180\$bc42b3c7@sorrells>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

WOWZERS Ron!!!!!! Ur not supposed to eat them!!!!!! Use em to rot old tree  
stumps or soak your teeth in them only. ;-0  
de Steve, W8SFF

-----  
Date: Tue, 24 Aug 1999 09:25:55 -0500  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [48343] 38s is spoken for....  
Message-ID: <C0DFB43A0D57D311B0170000F8BDCA840AE391@a1rsrv02>  
MIME-Version: 1.0  
Content-Type: text/plain

The 38 Special is spoken for but I still have the HTX-100 and the PC-6  
pocket computer.

Thank you,  
Steve KC5TTY

-----  
Date: Tue, 24 Aug 1999 10:30:11 EDT  
From: REDSBOY@aol.com  
To: qrp-l@lehigh.edu  
Subject: [48344] WW II Q signals  
Message-ID: <fbe5da47.24f40673@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

There were a couple of other abbreviations (not quite Q sigs) that were  
popular during the "big one." They were used at the end of a contact as a  
sign of appreciation, comradeship, and good fellowship. (Oh, Yeah!) They were  
4Q and of course the ever-popular response to that was 4Q2.

Karl - W4UTI

-----

Date: Tue, 24 Aug 1999 09:30:33 -0500  
From: applitech@mcg.net (Claton Cadmus)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48345] Building Small Loop Antennas  
Message-ID: <008301beee3d\$5e073920\$a10a5e2c@groucho>

In keeping with the current discussion of the MFJ loops and Dave W7AQK's post about rolling your own I'd like to share my thoughts.

First get the facts. There is a wonderful program for designing miniature loops in the HamCalc series for programs (if you don't have these, get them). Using this program you will be able to determine the efficiency of your design, the size and voltage ratings needed for the capacitor. This is very important. 5 watts@7MHz into a 6 foot diameter loop will produce a kilovolt plus across the cap! Also very important is the connections you make. They must be as low resistance as possible. The program assumes your connections do not increase the resistance of the loop. If you can do this and built it right, the above loop has about a 65%-70% efficiency in the 40 meter band. That's less than 1/2 S-unit and 3db added noise figure. Not bad for something you can hang on the wall in the house! And as the frequency goes up, so does the efficiency. It's really quite surprising at how well they work. They are also directional so if possible place them so they can be rotated or at least oriented to your advantage. Dave is quite right about the sharp tuning, it takes a little practice but the narrow bandwidth can be an advantage.

One of the big problems is the capacitor. You can't use a regular variable cap because the rotor slip contact is too high in resistance. Most designs use a split stator var. cap. you make your connections to each stator. Each section must be at least twice the capacity rating as these are in series via the rotor and the capacity divides in half. On the plus side this is also a voltage divider and the plate spacing only needs to be rated at half the voltage. HamCalc also includes a program for designing your own trombone cap from common available tubing. A dual version can be built fairly easily. I've also seen on the web instruction for building your own split stator cap. (url escapes me) but I didn't like the bolt together aluminum plates. If built of brass sheet stock and silver soldered after assembly I think it would be great.

I'm currently working on (well it's been awhile since I touched this project) a portable loop using braid as the element and PVC tubing as the support frame. The idea was to make as big a loop as I could that would stand in a room. (I was inspired to try this by the loop brought to FIDM '98 by a Michigan QRP'er. (If your reading this please email me, I would like to compare notes.) I first built a trombone cap for it but this tended to be a bit heavy to be supported at the top of the PVC frame. I searched the local hamfests in vain for a split stator cap. Finally I hit on an

idea. I found in my junk box a 65pf cap with adequate spacing that had a short additional rotor shaft out the rear. I filed off the nickel plating and soldered the braid directly to the now brass shaft end. I situated the braid so it would allow the shaft to rotate without interference. Next step is to add a motor and control via the coax so the antenna can be set up remotely.

Hope some of you find this interesting.

----

73 de KA0GKC Claton Cadmus

cla@mcg.net

MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----

Date: Tue, 24 Aug 1999 11:12:46 -0400

From: "Franco, Nicholas J" <franco@bnl.gov>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [48346] New Tin at the counters

Message-ID: <698DB793D712D31180B600902746422D17C4D0@exchange01.bnl.gov>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

OK - this morning at the usual 7/11, I get to the counter and there is a box of New Velamints - Chocolate Mint. And what are these new mints housed in??? Yep - a neat hinged little tin. It's a little smaller than an Altoids tin; maybe more like a Sucrets tin from days gone by. But, it looked like a metal colorful tin with a hinged top. So keep your eyes peeled. There may be a whole new kit design coming soon just to fit in one of these new tins. I think my KnightSMiTe could fit in one of these.

Oh yeah - I bet the mints are better tasting than Altoids too :-) ;-)

Have a great day all,

Nick - kf2ph . .

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY  
Systems Administrator            RHIC Project    Building 1005  
Tel: (516) 344-5467            UPTON, NY    11973-5000  
Fax: (516) 344-3674            Ham Call:    KF2PH

Email: [nickf@bnl.gov](mailto:nickf@bnl.gov)    <http://www.rhichome.bnl.gov/People/franco>

-----  
Date: Tue, 24 Aug 1999 08:10:34 -0700  
From: "Dasher, Mark" <[mark.dasher@irwin.army.mil](mailto:mark.dasher@irwin.army.mil)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [48347] RE: The truth about Altoids  
Message-ID: <1A1C5F8ACE83D21181D20060081F34C613E6F8@IRWEXCH12>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"

If you need to stay awake during a long meeting, munch on a tin of these.  
That will do the trick.

Mark - AD6GT

-----Original Message-----  
From: Nick Kennedy [<mailto:nkennedy@cswnet.com>]  
Sent: Monday, August 23, 1999 7:26 PM  
To: Low Power Amateur Radio Discussion  
Subject: OT: The truth about Altoids

I've seen a lot of posts about Altoids, but no one has dared to tell the  
terrible truth: Altoids taste terrible!!

When I built my PIXIE-2, I had to get my sons to eat the mints. (I think  
it's a macho thing with the kids, eating something that nasty.)

I don't want to set off an international incident. Thanks to the British  
for conquering the world and making the English language universal. Thanks  
for the Beatles and the Stones and Elvis Costello. But take those Altoids  
back!!

72,

Nick, WA5BDU

(Crumpets ain't bad either.)

-----  
Date: Tue, 24 Aug 1999 10:25:43 -0500  
From: "Brockwell, Stephen E." <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [48348] For Sale or For Trade - part 2  
Message-ID: <C0DFB43A0D57D311B0170000F8BDCA840AE394@a1rsrv02>  
MIME-Version: 1.0  
Content-Type: text/plain

NORCAL 38 Special is already spoken for. Sorry.

Steve Brockwell KC5TTY  
100 Keeney Rd.  
Elgin, OK 73538

-----  
Date: Tue, 24 Aug 1999 10:30:49 -0500  
From: Karl.Kanalz@optelinc.com  
To: rules@bellsouth.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48349] Re: 811s  
Message-ID: <862567D7.0055BA12.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I sincerely doubt they use "solid silver wire" for the windings of the output transformer, Randy.... where did you hear that bit of fluff? >From Acoustic Research themselves? I'll bet a major portion of that \$35,000 price tag is derived from the name "AR" (Acoustic Reasearch), rather than from the actual components used to manufacture the amplifier (sort of like Mercedes-Benz or the Cadillac trade name).

Karl K - W8TIF  
McKinney, Texas

"Randy Jouett" <rules@bellsouth.net> on 08/23/99 09:35:57 PM

Please respond to rules@bellsouth.net

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: 811s

-----Original Message-----

From: Alex Mendelsohn <ai2q@ispchannel.com>  
To: rules@bellsouth.net <rules@bellsouth.net>; Low Power Amateur Radio  
Discussion <qrp-1@Lehigh.EDU>  
Date: Monday, August 23, 1999 10:44 AM  
Subject: RE: 811s

Hi Alex,

>What do they use for output transformers, I wonder?

>From what I've read, they use solid silver wire for the windings!  
Also, "everything" is gold plated, and all tolerances are 1% or  
less. I'd love to go to CES (Consumer Electronic Show) and talk  
to one of their engineers about this amp. What would I ask him?  
Well, it would prolly' go something like this: "Why in the heck does  
your amp cost \$35,000.00?!" :^). I'd love to hear the "explanations"  
from that question. Bet there would be a BUNCH of BS slung in that  
conversation! :^).

72/73,

----

Randy Jouett, AB5NI

-----

Date: Tue, 24 Aug 1999 10:46:19 -0500  
From: Karl.Kanalz@optelinc.com  
To: jayFreem@direcpc.com

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48350] Re: 811s  
Message-ID: <862567D7.005724F7.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I believe, Jay, that YOURS is the really-real definitive answer!

Karl K - W8TIF  
McKinney, Texas

Jay Freeman <jayFreem@direcpc.com> on 08/24/99 07:11:31 AM

Please respond to jayFreem@direcpc.com

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: 811s

Howdy,

Randy Jouett wrote:

> What would I ask him?  
> Well, it would prolly' go something like this: "Why in the heck does  
> your amp cost \$35,000.00?!" :^). I'd love to hear the "explanations"  
> from that question. Bet there would be a BUNCH of BS slung in that  
> conversation! :^).

The true answer is "Because there are enough fools who will pay that much".  
:)

73,

Jay

--

\*-----\*  
\* Jay Freeman - WT9S ARRL \*

\* G-QRP 10319 QRP-ARCI 9981 ARS 562           \*  
\* SASS #18700                               NRA Life \*  
\*-----\*

-----  
Date: Tue, 24 Aug 1999 12:11:55 EDT  
From: HWRM1SS@aol.com  
To: njqrp@njqrp.org, qrp-1@lehigh.edu  
Subject: [48351] QRP/QRO ITEMS FOR SALE  
Message-ID: <fbe76fac.24f41e4b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

QRPer's

I must part with the following equipment. My son's tuition bills from Ringling School of Art and Design in Sarasota, FL just came in and I must pay them!

SG-2020 w/ 3 Year Warranty, microphone, recently factory upgraded to firmware version 1.06 tuned and aligned at SGC last month (July 99').

Also included is world pack/ manpack (about the size of the old PRC-77 manpack radio for all you old groundpounders) -- the SG-2020 fits snugly in the pack -- with room for mike and key plus accessories -- the gel cell is placed in the bottom pouch and power cable passes up into the radio compartment. It is of heavy duty cordura and goretex -- the best design and construction I have EVER seen in a backpack!

Brand new gel cell/wall wart charger/DC cables etc. That were purchased with the manpack.

All manuals.

All in brand new condition -- less than 5 hours operating time -- superior condition and quality.

\$650.00 shipped lower 48.



HW-101 Transceiver, HP-23A Power supply, original Turner mobile mike (w/Heathkit logo), HP-13A mobile DC Supply with cables (somewhat rare), and SP-600 Speaker.

All in perfect working condition, cosmetically very good/good, all manuals (original -- not copies) \$525.00 shipped lower 48. --Sorry this stuff is heavy !

More to follow...

payment as convenient for you -- Time is of the essence -- Thank you! Please respond to me here, or...

Howard Weinstein K3HW  
4041 Ridge Avenue Apt 4-405  
Philadelphia PA 19129

H - (215) 843 -1180  
W - (215) 430 - 9095 ext 6473

-----  
Date: Tue, 24 Aug 1999 10:20:53 -0600  
From: Jeff Francis <jfrancis@frii.com>  
To: Mike Yetsko <myetsko@insydesw.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48352] Re: OT: The truth about Altoids  
Message-ID: <19990824102053.A2211@geek.noducks.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

On Tue, Aug 24, 1999 at 08:24:55AM -0400, Mike Yetsko wrote:

> EMMA Peel!!! Emma Peel, and John Steed. But mainly Emma Peel.

Catherine Zeta-Jones (Entrapment, Zorro, the Haunting, etc).

--

|                               |           |
|-------------------------------|-----------|
| Jeff Francis - KC0BWS         | Ack!      |
| Level Three Communications    | ____/     |
| Denver, CO USA DM79nr         | \ o.0     |
|                               | =(_)=     |
| 39d43m16.4s N 104d52m10.7s W  | U         |
| jfrancis@frii.com jeff@l3.net | --Unknown |
| http://www.frii.com/~jfrancis | PRR...    |

+-----+-----+-----+

-----

Date: Tue, 24 Aug 1999 12:26:37 -0400 (EDT)  
From: "John L. Sielke" <jsielke@pobox.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48353] Re: OT: The truth about Altoids  
Message-ID: <XFMail.990824122236.jsielke@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

I like them. Especially the Wintergreen ones.....

On 24-Aug-99 Steve Sorrell wrote:

> WOWZERS Ron!!!!!! Ur not supposed to eat them!!!!!! Use em to rot old tree  
> stumps or soak your teeth in them only. ;-0  
> de Steve, W8SFF  
>

---

/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net  
( N )( 4 )( J )( S ) NJ Grid:FM29LN <http://www.qsl.net/n4js>  
\\_/\_ \\_/\_ \\_/\_ \\_/\_ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

-----

Date: Tue, 24 Aug 1999 11:21:15 -0500  
From: "George T. Baker" <w5yr@swbell.net>  
To: microres@crl.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48354] Re: doubler help needed  
Message-ID: <37C2C67B.8D8452CE@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Class C operation is a must for usable efficiency. Be aware, though, that higher-order harmonics are also generated and must be eliminated by filtering.

Class C operation was one of the main factors contributing to RFI in the early days of TV. That and the almost total lack of shielding and in/out

filtering. Adoption of linear amplification, SSB instead of conventional AM, and effective filtering all led to our present generation of radios that are reasonably free of RFI, even considering their comparative lack of shielding.

These are some of the factors that should be considered when deciding to resurrect an old "boat anchor" and put it on the air.

72/73, George                    AMA 98452                    R/C since 1964

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Stanley Wilson wrote:

>>

> A doubler (frequency multiplier) is a circuit with the output tuned to  
> twice the input frequency. Just about any simple RF transistor circuit  
> will work since most of them are Class C anyway.

-----

Date: Tue, 24 Aug 1999 09:27:34 -0700  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <bowerm@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [48355] RE: two beginners questions  
Message-ID: <NDBBLJFDGLBGFJBOGNELGENNCAAA.mgipe@reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Michael --

I'd be willing to gamble that all the points you are having trouble soldering are connected to ground (or maybe V+). The ground node in a circuit such as this is usually made with as much copper as possible. This creates a nice big heat sink for your soldering iron, drawing heat away from the joint. To properly solder these joints, you must be sure that the metal comes fully up to temperature by holding the soldering iron on the joint for a longer time. In some cases, a small iron may not have enough power to properly heat the ground plane, and you will need a larger iron. The same effect occurs when you try to desolder the connection. The ground plane draws heat away from the connection so it never comes up to full temperature to properly melt the solder.

Mike K1MG

-----  
Date: Tue, 24 Aug 1999 12:41:45 -0400  
From: Scott Howell <whowell@hq.nasa.gov>  
To: qrp-1@lehigh.edu  
Subject: [48356] Altoids  
Message-ID: <3.0.5.32.19990824124145.007fc7d0@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

ok well I'll be another who will state publicly that I like the Altoids very much.  
I should have purchased that case at the Sam's club store. Ay you want the tin and not the Altoids, just mail your Altoids here and the family will enjoy them.  
hnmhhh I wonder how they'd do for the dogs breath...interesting.<G>

73 de Scott/n3byy

-----  
Date: Tue, 24 Aug 1999 13:06:44 US/Eastern  
From: n2cx@voicenet.com  
To: wj50@juno.com  
Cc: qrp-1@lehigh.edu  
Subject: [48357] Re: doubler help needed  
Message-ID: <199908241705.NAA79174@nss4.cc.lehigh.edu>

Forwarded Message:  
Bill, you asked about a simple doubler for 26 to 52 MHz. I've had lots of success with the NE602 (and now the SA612, etc.) chips.

I don't have an exact schematic for your freq range, but you can go to the Phillips web site and check out the IC and some related app notes. Here is an excerpt from an upcoming Joe's Quickie on (drum roll, please) a simple frequency multiplier with info on the Phillips page:

" Application notes and data sheets can be gotten from Phillips Semiconductor or downloaded easily from their web site at

<http://www-us.semiconductors.phillips.com/pip/NE612AD>

When you bring the page up, there is an area on the left hand side to click for Application Notes  
Or click on "data" to get the full data sheet. You must have the Adobe Acrobat (tm) PDF reader to download the files, but if you don't have this reader, you can download it, too!

There are lots of neat app notes on all sorts of ic's but the three that deal with the 602/612 are:

AN1983 Crystal Oscillators and Frequency Multipliers

Using the NE602

AN1981 New low-power single sideband circuits

AN1982 Applying the oscillator of the SA602 in low-power mixer applications"

Good luck and...

72/73,

Joe E., N2CX

-----  
This message was sent using Voicenet WebMail.

<http://www.voicenet.com/webmail/>

-----  
Date: Tue, 24 Aug 1999 13:24:02 -0700  
From: JPD <jdanter@mail.i-america.net>  
To: jdanter@mail.i-america.net  
Subject: [48358] Motorola semiconductor website  
Message-ID: <37C2FF62.3AEC@mail.i-america.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

<http://www.design-net.com/products/index.html>

-----  
Date: Tue, 24 Aug 1999 13:27:30 -0400

From: Laura Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-1@lehigh.edu  
Subject: [48359] Re: doubler help needed  
Message-ID: <3.0.6.32.19990824132730.007c0ec0@madrox>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Bill W5JO asked:

> Does anyone have a simple frequency doubler to follow a clock oscillator  
> "can"? I want to double 26MHz to be in the 6 Meter band. All my reference  
> material was printed before solid state computers and radios.

A passive diode frequency doubler (see, for example, Solid State Design) is usually the ticket nowadays, but you must feed it a reasonably clean sine wave input. If you feed it a square wave (like the direct output from a clock oscillator) all you'll get is slightly dirty DC...

Theoretically a clock oscillator only generates odd harmonics (square wave), but there may be enough 2nd harmonic energy to use. Try it.

I note a couple of interesting 6m frequencies in the Oscillators section of the Digi-Key catalogue: 51.84 MHz and 16.8 MHz ( $16.8 * 3 = 50.4$ ).

Though it's a while since I've done it, a couple of years ago I found the onesies and twosies prices on custom clock oscillators to be quite resonable - about the same as a good 5th overtone crystal. My custom units were 62.666 MHz, for Mode S converters. The woman at Jan tried very hard to sell me 10, but I held my ground and only ordered 2. :-)

Laura Halliday VA3LDH    "Que les nuages soient notre pied  
Grid: FN03gs                    a terre..." - Hospital/Shafte

-----  
Date: Tue, 24 Aug 1999 17:30:55 +0100  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: <whowell@hq.nasa.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48360] Re: Altoids  
Message-ID: <019c01beee4e\$0ac9a700\$bc42b3c7@sorrells>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I don't know about your dog, but my dog won't eat em either, and he'll eat the nastiest stuff I ever saw (like road kill), but not Altoids!  
de Steve, W8SFF

-----  
Date: Tue, 24 Aug 1999 10:30:22 -0700  
From: "David Castor" <dave\_castor@easypower.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [48361] RE: Paddle Recommendations for AB7ZV  
Message-ID: <001401beee56\$58fc9920\$0200000a@sony>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You right, I remember it well. I was probably even in a QRP mode -- I can't load up my 20/15/10M attic dipoles on 30M beyond about 5 watts without setting off the smoke detector in my house! My family find that a little annoying.

Thanks to all of you who sent ideas and recommendations on selecting a paddle. I'll check around for a used one, but probably will end up buying a new one soon (I'm into instant gratification). I'll let you know how the transition goes. Maybe if I switch from my left hand to my right hand.....

Dave  
AB7ZV

-----Original Message-----  
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of Dave T. Chael  
Sent: Monday, August 23, 1999 6:58 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Paddle Recommendations for AB7ZV

Hey, there's more! I thought his call (AB7ZV) was familiar! We worked on 16 April on 30 meters, and I was privileged to be his first Oklahoma QSO, and it was "attic dipole" to "attic dipole" Great fun! Small world! Great hobby! Welcome!

Dave  
KC5GUD

(snipped)

-----  
Date: Tue, 24 Aug 1999 13:48:02 EDT  
From: PUNISHER3@aol.com  
To: nkennedy@cswnet.com, qrp-1@lehigh.edu  
Subject: [48362] Re: OT: The truth about Altoids  
Message-ID: <c4fdd24f.24f434d2@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Personally, I like the taste of the things. Have you tasted BOTH flavors? Besides the mints in the red case, they also have new "winter greens" in a blue case, which are not bad at all :)

Ben  
NW7DX

In a message dated 08/23/1999 7:33:37 PM Pacific Daylight Time, nkennedy@cswnet.com writes:

<< I've seen a lot of posts about Altoids, but no one has dared to tell the terrible truth: Altoids taste terrible!!

When I built my PIXIE-2, I had to get my sons to eat the mints. (I think it's a macho thing with the kids, eating something that nasty.)

I don't want to set off an international incident. Thanks to the British for conquering the world and making the English language universal. Thanks for the Beatles and the Stones and Elvis Costello. But take those Altoids back!!

72,

Nick, WA5BDU

(Crumpets ain't bad either.)  
>>

-----  
Date: Tue, 24 Aug 1999 13:55:21 -0400  
From: "Fishman, Clark [AMSTA-AR-FSF-I]" <cfishman@pica.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [48363] Custom oscillators  
Message-ID: <53EB67411602D211846900A0C9C7647A0323C11E@mail3.pica.army.mil>  
MIME-Version: 1.0



Content-Type: text/plain

>From a tip that Steve Weber gave a few weeks back, I bought some Epson SG-8002 programmable oscillators from Digi-Key for the price of \$3.33 each....these are neat...call Digi up on their toll free number....give them the freq such as 4.871236 MHz and they burn it in the chip...the package I got was a 4 pin DIP the size of a 8 pin DIP....the output is a squarewave so what...the freqs were accurate...the price is right and the delivery is way fast (when's the last time you ordered custom rocks????).....the freq range is from 1-125 MHz dependingi on the chip model...

I used these buggers to simplify the design of a radar stimulator I designed with a PLL (and no PC board)

Check um out

Clark Fishman WA2UNN cfishman@pica.army.mil

-----  
Date: Tue, 24 Aug 1999 14:10:03 US/Eastern  
From: n2cx@voicenet.com  
To: qrp-1@lehigh.edu  
Cc: njqrp@njqrp.org  
Subject: [48364] Wanted MC1554G data sheet  
Message-ID: <199908241808.0AA62386@nss4.cc.lehigh.edu>

Gang,

We packrats who have been around for a while sometimes do ourselves in...

I set aside a handful of Motorola MC1554G chips some years back. They recently came to the surface while I was straightening things up. However, I threw out the old data books! Needless to say they are now discontinued.

Soooo can anybody point me to some data on the device? A brief on-line search uncovered no data sheets - just soem companies selling old IC's.

As I recall, they were either audio or RF amps. Any OF's out there who saved the old data books?

Tnx and...

72/73,

Joe E.,  
N2CX

-----  
This message was sent using Voicenet WebMail.  
<http://www.voicenet.com/webmail/>

-----  
Date: Tue, 24 Aug 1999 13:19:31 -0700  
From: "Jerry Bartachek" <jbartac@max.state.ia.us>  
To: qrp-1@Lehigh.EDU  
Subject: [48365] RE: ULS Licensing For Amateur Radio  
Message-ID: <37C2FE53.53C0@max.state.ia.us>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Are you fellas sure about U.S. Hams needing to obtain a ULS license?

I looked at the FCC's ULS Home Page at <http://www.fcc.gov/wtb/uls>

On that page I saw a site to click on called "Services Currently Available in the ULS". It is located at -  
<http://www.fcc.gov/wtb/uls/service.html>

They list which radio services that are planned for the ULS:

- Ship
- Microwave
- Commercial Radio Operator Licenses
- Marine Coast and Aviation Ground
- Land Mobile

I don't see Amateur radio there, unless we are a subset of the Land Mobile Service. Will this mean we each will have 2 licenses if hams are subject to ULS? Will they have different callsigns?

Sorry for my stupidity, but this all seems to have a sudden onset. Were we supposed to be registered for a ULS by August 16th.

72,

Jerry L. Bartachek K00CA

Washington, IA

-----  
Date: Tue, 24 Aug 1999 11:31:25 -0700 (PDT)  
From: Paul Erickson <paule@sfu.ca>  
To: dave\_castor@easypower.com  
Cc: qrp-1@lehigh.edu (qrp)  
Subject: [48366] Re: Paddle Recommendations  
Message-ID: <199908241831.LAA08491@fraser.sfu.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

Hi Dave,

I would recommend a set of WBL paddles as great to use, and great value for the money. I am trying to finance a second pair.

cheers, Paul - VE7CQK - email: paule@sfu.ca

>  
> Folks,  
>  
> I'm new to this list and pretty new to ham radio - I've had my license about  
> 9 months. After pounding my straight key for 9 months, I'm about ready to  
> give an iambic paddle a try and would appreciate any advice/recommendations  
> on a good starter model.  
>  
> Or if anyone has an used one in decent shape you'd like to sell, you can  
> respond to me directly.  
>  
> Thanks,  
>  
> Dave, AB7ZV  
> Corvallis, OR  
>  
>

-----  
Date: Tue, 24 Aug 1999 13:32:48 -0500  
From: "Mark Hogan" <mhogan@email.msn.com>  
To: "QRP LIST" <qrp-1@Lehigh.EDU>  
Subject: [48367] Loop antennas and other questions? long :(  
Message-ID: <024401beee5f\$408d04c0\$6ae60181@mhoganws>

Ok so by now my interest is perking up on a full size loop. I have 3

supports 20' high in my yard that miss most of the trees, that will in most likelihood allow me to put up a loop on 7.040. If I feed it with 450 ohm Ladder Line will it work the other bands as well? Would it be better to find another support?

Next question

I have a 66' dipole fed with coax and a balun(who knows what kind, its over 10 yrs old and was used when I got it) that I feed with a tuner and work all bands. Would I be better off with ladder line to feed this antenna? I worked Cuba on 30 with mi 500mw 38s on it last week. I also have a 3 ele ta33 and when I compare the 20m sigs the 20 sigs on the dipole are WAY down, say s2 to s5 difference in the same signal, the beam is fixed NE, (rotor broke dad lives that way) so signals are higher off the back, front and sides then they are on the dipole.

I know 10 years is too long to not pull maintenance on something, so I'm thinking that before winter comes I need to do something.

Last question, has anyone used the shorter of the two B&W antennas, I think it goes from 5 - 30 mhz w/o a tuner. I was wondering if it would tune 80/160? I've used the 1.8 - 30 and it was great at the field day event, but I dont have that much room on my lot, the shorter version will just fit between my current supports at 33'.

sorry for the long message

Mark Hogan / N50BC

-----  
Date: Tue, 24 Aug 1999 11:45:32 -0700  
From: "Barry L. Geipel - AD6HR" <bgeipel@primenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48368] Re: The truth about Altoids  
Message-ID: <00d101beee60\$d8b78710\$5dc9bbc0@cw1.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I've seen a lot of posts about Altoids, but no one has dared to tell the  
> terrible truth: Altoids taste terrible!!  
>

(Image my face with a big smile on it before reading this post...)

This thread shows more indicators about the American weak pallet.

I am convinced this is a direct result of the average American kid eating white bread. I can always recognize a "white bread" raised person by their opinions on food. Do they drink coffee? Do they drink beer? Do they eat spicy food? And now, do they eat Altoids?

Now, before you answer consider this:

Denny's does not serve coffee, they serve colored water.  
Budweiser is not beer, it is colored water.  
Taco Bell is not spicy food.

For those of you outside the USA, "Denny's" is a restaurant chain - "Little Chef" to those in the UK - Bottom line, there is American Coffee, and there is the Coffee drunk by the rest of the world.

Taco Bell is a fast food chain that makes incredibly bland Mexican Food.

I for one love altoids in every way. And my XYL is glad that I picked up QRP kit building since I finally have fresh breath after drinking coffee and eating spicy food :)

QRP related idea!

Get your kids into QRP early. The need for Altoids tins will help them develop an international pallet which will help promote International Good Will through better excepting of other countries foods as well as through communications via Ham Radio.

Big Smile!

Barry - AD6HR

-----  
Date: Tue, 24 Aug 1999 14:00:10 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [48369] 2 way QRP QSO streak  
Message-ID: <199908241842.0AA26440@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi Gang,

I've been getting on 40 M just about every night about sunset

recently and have nothing but 2 way QRP QSO's!

The other night the streak was almost broken, but after the initial exchange, the VE3 switched over to his HW-9 to finish the QSO!

Last night, talked to a guy in Pa, running a homebrew 5W all band tube xmitter. (his own design, wonderfull) After signing with him, heard someone calling me and turns out to be a guy down in NC, running a SST, camping out in the woods! Said I made his day, well, he made mine too :-)

Okay, now the goal is to fill a whole log book page with nothing but 2X QRP contacts. About 1/3d the way there already!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Tue, 24 Aug 1999 13:59:49 -0500  
From: Michael Melland <badger@vbe.com>  
To: jbartac@max.state.ia.us, qrp-l@lehigh.edu  
Subject: [48370] Re: ULS Licensing For Amateur Radio  
Message-ID: <37C2EBA5.AE210A41@vbe.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Jerry Bartachek wrote:

> Are you fellas sure about U.S. Hams needing to obtain a ULS license?  
>

Hi Jerry,

I registered for ULS ID this morning. It's not mysterious..... the Gov't wants to cut costs so many FCC transactions are going to be "self initiated" over the web. Go to the ULS site and register. You will be given a number and you choose your own password and enter your TIN (Tax Payer ID Number aka your Social Security Number). You register your callsign and after that you can renew etc. online. That's all there is to it. And, yes amateur radio is participating in ULS from August 16 on..... There is no seperate ULS license, just the means to perform license related transactions via the web..... renewals, changes of address, etc..... doing away with paper forms....

73 de Mike, W9WIS

-----  
Date: Tue, 24 Aug 1999 14:51:28 -0400  
From: sergio <sruiz@bright.net>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48371] Re: The truth about Altoids  
Message-ID: <37C2E9B0.47A89265@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

> I am convinced this is a direct result of the average American kid eating  
> white bread. I can always recognize a "white bread" raised person by their  
> opinions on food. Do they drink coffee? Do they drink beer? Do they eat  
> spicy food? And now, do they eat Altoids?  
>

whew.. i was getting kinda scared that i was weird.. i was raised in  
america, but i like brown bread, i have a stove top espresso, i like to  
tip more pints than i should (especially stouts..), if i have company  
for dinner, i have to tone everything down, or the guests pass out..

and.. i think altoids are tasty.. i always have a pack in my bag.. and i  
eat em.. hmmm...

maybe i am just international..

--

---

peace,

sergio

the village buzz --> [www.bright.net/~sruiz](http://www.bright.net/~sruiz)

"quoting other people is really lame and unoriginal" ...sergio

-----  
Date: Tue, 24 Aug 1999 14:54:34 -0400  
From: sergio <sruiz@bright.net>  
To: kd1jv@moose.ncia.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48372] Re: 2 way QRP QSO streak  
Message-ID: <37C2EA6A.4C1802AC@bright.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steven Weber wrote:

>  
> Hi Gang,  
>  
> I've been getting on 40 M just about every night about sunset  
> recently and have nothing but 2 way QRP QSO's!  
>

i will be on some time around 2300z.. i have only had one qso so far...  
i can't figger it out.. i think it's because my sending is slow and  
crappy..

if anyone has heard me calling cq, can you confirm if my fist is slow  
and crappy? i am a big boy, i can take it.. i just want to figure out  
what is wrong..

--

---  
peace,  
sergio  
the village buzz --> [www.bright.net/~sruiz](http://www.bright.net/~sruiz)  
"quoting other people is really lame and unoriginal" ...sergio

-----

Date: Tue, 24 Aug 1999 12:04:30 -0700 (PDT)  
From: Jim Durkin <jimdurkin@yahoo.com>  
To: whowell@hq.nasa.gov, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [48373] Re: Altoids  
Message-ID: <19990824190430.19582.rocketmail@send304.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- Scott Howell <whowell@hq.nasa.gov> wrote:  
> ok well I'll be another who will state publicly that  
> I like the Altoids  
> very much.  
> I should have purchased that case at the Sam's club  
> store. Ay you want the  
> tin and not the Altoids, just mail your Altoids here  
> and the family will  
> enjoy them.



> hnmhhh I wonder how they'd do for the dogs  
> breath...interesting.<G>

Tom Hanks did a joke on this one time. Said dogs don't need breath  
mints. Did you ever notice the way they greet? <G>

73

Jim kt4a.

-----  
Do You Yahoo!?

Bid and sell for free at <http://auctions.yahoo.com>

-----  
Date: Tue, 24 Aug 1999 12:10:09 -0700  
From: "Mont Pierce, KM6WT" <montp@synacom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48374] RE: The truth about Altoids  
Message-ID: <NDBBIOJIAKOAANEFHNEAMEAKCBAA.montp@synacom.com>  
Mime-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

So does that mean it is required? Or optional?

How about hams that do not have internet access?

yuck,  
Mont

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> sergio  
> Sent: Tuesday, August 24, 1999 11:51 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: The truth about Altoids  
>  
>  
>  
>  
> > I am convinced this is a direct result of the average American kid eating  
> > white bread. I can always recognize a "white bread" raised person by their  
> > opinions on food. Do the drink coffee? Do they drink beer? Do they eat

> > spicy food? And now, do they eat Altoids?  
> >  
>  
> whew.. i was getting kinda scared that i was weird.. i was raised in  
> america, but i like brown bread, i have a stove top espresso, i like to  
> tip more pints than i should (especially stouts..), if i have company  
> for dinner, i have to tone everything down, or the guests pass out..  
>  
> and.. i think altoids are tasty.. i always have a pack in my bag.. and i  
> eat em.. hmmm...  
>  
> maybe i am just international..  
>  
> --  
> ---  
> peace,  
> sergio  
> the village buzz --> [www.bright.net/~sruiz](http://www.bright.net/~sruiz)  
> "quoting other people is really lame and unoriginal" ...sergio  
>

-----  
Date: Tue, 24 Aug 1999 14:20:06 -0700  
From: "Jerry Bartachek" <jbartac@max.state.ia.us>  
To: qrp-1@Lehigh.EDU  
Subject: [48375] Thanks for Excellent ULS Info!  
Message-ID: <37C30C86.1EDE@max.state.ia.us>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I received several prompt replies to my inquiry about ULS. Thanks,  
QRP'ers, as you explained it VERY well, and VERY politely. In fact you  
made it simple and unscary.

I'm proud to be associated with this list!

72,

```

  _ _ _ _ _
 | | / / | | \ \ | | / / | | \ \
 | | \ \ | | / / | | \ \ | | / /
 | | \ \ | | / / | | \ \ | | / /

```

/
Jerry L. Bartachek <><
Washington, IA
IA QRP #10
QRP ARCI #5166

-----  
Date: Tue, 24 Aug 1999 12:18:25 -0700  
From: "Mont Pierce, KM6WT" <montp@synacom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48376] RE: The truth about Altoids, oooppsss...  
Message-ID: <NDBBIOJIAKOAANEFHNEAEEALCBAA.montp@synacom.com>  
Mime-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ooooppsss....

sorry all, I've got some new email software...I replied to the wrong messages...

sorry for the bandwidth.

73,  
Mont

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> Mont Pierce, KM6WT  
> Sent: Tuesday, August 24, 1999 12:10 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: The truth about Altoids  
>  
>  
>  
> So does that mean it is required? Or optional?  
>  
> How about hams that do not have internet access?  
>  
> yuck,  
> Mont  
>  
> > -----Original Message-----  
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> > sergio  
> > Sent: Tuesday, August 24, 1999 11:51 AM  
> > To: Low Power Amateur Radio Discussion  
> > Subject: Re: The truth about Altoids  
>

-----  
Date: Tue, 24 Aug 1999 12:22:32 -0700  
From: "Mont Pierce, KM6WT" <montp@synacom.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48377] RE: ULS Licensing For Amateur Radio  
Message-ID: <NDBBIOJIAKOAANEFHNEAKEALCBAA.montp@synacom.com>  
Mime-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> -----Original Message-----  
> Michael Melland  
> Subject: Re: ULS Licensing For Amateur Radio  
>  
> Jerry Bartachek wrote:  
>  
> > Are you fellas sure about U.S. Hams needing to obtain a ULS license?  
>  
> I registered for ULS ID this morning. It's not mysterious..... the Gov't  
> wants to cut costs so many FCC transactions are going to be "self initiated"  
> over the web. Go to the ULS site and register. You will be given a number

Is this ULS stuff optional or required?

What about all the hams that do not have internet access??

Yuck, I don't want another ID to have to remember. I only have to  
renew once every 10 years, right? So they expect me to remember this  
new ID 10 years from now??

73,  
Mont/km6wt

-----  
Date: Tue, 24 Aug 1999 15:31:14 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [48378] Re: ULS Licensing For Amateur Radio  
Message-ID: <37C2F302.754C@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Here is some additional info from John Hennessee, N1KB. Questions may be sent to n1kb@arrl.org.

-----

George,

Regarding your post on QRP-L, you are only registered under ULS if you have submitted an FCC Form 606 to the FCC. You can file electronically at <http://www.fcc.gov/uls> . Click on "TIN Registration". This can also be done manually by printing the Form 606 from the FCC's Web page at <http://www.fcc.gov> . Amateurs are not automatically registered.

There is one exception. If you upgrade or renew your license through a VEC using an NC VEC Form 605, your SSN/TIN is automatically registered under ULS. The NC VEC Form 605 CAN NOT be submitted directly to the FCC.

Amateurs who change an address or renew a license without going through a VEC may do so directly with the FCC, but the FCC Form 605 (different from the NC VEC Form 605) may be used, but amateurs must first be registered under ULS and this means completing two forms. The FCC Forms 606 and 605 may be included in the same envelope or this can be done electronically on the FCC Web site. The FCC will still accept FCC Form 610's until February 16, 2000, BUT the TIN MUST be included in the upper right and accompanied by an FCC Form 606. 73.

John, N1KB

-----

Date: Tue, 24 Aug 1999 12:45:22 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <qrp-l@lehigh.edu>  
Subject: [48379] Adding a power switch to the NC20  
Message-ID: <003001beee69\$344b9d20\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Folks,

I want to add a power switch to my NC20. I noticed between J2 & J4 there are two pads which are labeled "On/Off" and are connected. Do I cut this trace

and hookup my spst switch to the two pads?

Thanks,  
Kory  
AC6RN

-----  
Date: Tue, 24 Aug 1999 12:58:35 -0700  
From: Rich Wilkerson <richqrp@home.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48380] Re: Motorola  
Message-ID: <37C2F96B.CD3BC39D@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have a Motorola HT 1000 and I would like to know if there is a way I can get the program for this Radio? And I guess with "that" name its going to cost a arm and a leg??

--

72's & 73's  
Rich Wilkerson, Santee, Ca  
WD6FDD

-----  
Date: Tue, 24 Aug 1999 15:59:35 EDT  
From: K2UD@aol.com  
To: nkennedy@cswnet.com  
Cc: qrp-l@lehigh.edu  
Subject: [48381] Re: OT: The truth about Altoids  
Message-ID: <706908ba.24f453a7@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Nick,

It was actually the British who warned us that Altoids are not exactly the most palatable items to come in a tin. That's being very kind, the British way.

They did recommend (as did Rex, W1LEX I think) some other mints in tins that actually tasted rather nice. Forgot what they were, but I'm sure someone may

pick it up from here.

72

Howard Kraus, K2UD

-----  
Date: Tue, 24 Aug 1999 15:50:22 EDT  
From: K2UD@aol.com  
To: n3bj@hotmail.com  
Cc: qrp-1@lehigh.edu  
Subject: [48382] Re: QLF  
Message-ID: <a8f8089b.24f4517e@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

QRF: My dog has just run away with my shoe.

72

Howard Kraus, K2UD

-----  
Date: Tue, 24 Aug 1999 10:19:00 -0700  
From: Dan Presley <talljazz@teleport.com>  
To: qrp-1@LeHigh.edu  
Subject: [48383] VE3DNL kit mod  
Message-ID: <v03007801b3e8824bdf5f@[216.26.8.150]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I finally got around to building this little kit, and wanted to use all 4 different marker freqs (5,10,20 & 40 Khz) without re-soldering a new antenna each time. I read Doug's mod (KI6DS), but couldn't locate the computer board pins, so I found a 3-pin Molex connector (same kind as used on the DSW and 'Elmer 101 rigs for board connections) was a perfect fit for spacing of the 3 holes for the 5,10 & 20 Khz outputs. I had to file down the pins on the Molex a bit as they are square (square peg-round hole!), but then it popped right in leaving me with 3 nice pins that I could clip the 6 inch antenna to. I also robbed a pin from another molex for the 40Khz hole, so now it's very easy to switch it around for different markers. Sorry if this is 'old news', or already posted by someone else-just too much fun to figure it out!Thanks again to Jay Bromley for making this kit available.

Dan Presley-N7CQR-Portland, Or QRP-L #502

-----  
Date: Tue, 24 Aug 1999 16:19:55 EDT  
From: K2UD@aol.com  
To: REDSBOY@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [48384] Re: WW II Q signals  
Message-ID: <a9c2f31e.24f4586b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Why do so many folks tell me they're from the Upper US? I know there must be many hams there, but here in Buffalo, which I would consider as being in the Upper US, quite a few of them sound weak. Whyizit?

72

Howard Kraus, K2UD

-----  
Date: Tue, 24 Aug 1999 13:39:23 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <qrp-l@lehigh.edu>  
Subject: [48385] OT: Desoldering gun  
Message-ID: <003701beee70\$bfbdfef00\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi,

I'm looking for a reasonably priced desoldering gun. I haven't seen anything under \$250. If anyone is aware of anything less than that, I'd be very interested to hear from you.

Any help would be appreciated!

Thanks,  
Kory  
AC6RN



-----  
Date: Tue, 24 Aug 1999 16:51:50 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [48386] Re: ULS Licensing For Amateur Radio -- CORRECTION  
Message-ID: <37C305E6.3749@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed Hare, W1RFI wrote:

> Here is some additional info from John Hennessee, N1KB. Questions may  
> be sent to n1kb@arrl.org.

A correction:

>I had one small error in the message I sent you earlier. The FCC's ULS >Web page  
is <http://www.fcc.gov/wtb/uls/> (I left out "wtb". 73 -- John

-----  
Date: Tue, 24 Aug 1999 20:59:29 +0100  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [48387] Re: QLF  
Message-ID: <01dc01beee6b\$2df9a780\$bc42b3c7@sorrells>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

That would be your 'right' shoe, correct, Howard?  
de Steve, W8SFF

-----  
Date: Tue, 24 Aug 1999 16:54:35 EDT  
From: ka7you@juno.com  
To: talljazz@teleport.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [48388] Re: VE3DNL kit mod  
Message-ID: <19990824.135501.4503.9.ka7you@juno.com>

I just installed output leads to four 'tip jacks', like were used for test leads and headphones years ago. The antenna (1/16" stainless welding rod) just plugs into the one I need to use. It is all in an Altoids box-of course, with the jacks in the lid so the antenna stands up vertically.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

On Tue, 24 Aug 1999 10:19:00 -0700 Dan Presley <talljazz@teleport.com> writes:

>I finally got around to building this little kit, and wanted to use  
>all 4  
>different marker freqs (5,10,20 & 40 Khz) without re-soldering a new  
>antenna each time. I read Doug's mod (KI6DS), but couldn't locate the  
>computer board pins, so I found a 3-pin Molex connector (same kind as  
>used  
>on the DSW and 'Elmer 101 rigs for board connections) was a perfect  
>fit for  
>spacing of the 3 holes for the 5,10 & 20 Khz outputs. I had to file  
>down  
>the pins on the Molex a bit as they are square (square peg-round  
>hole!),  
>but then it popped right in leaving me with 3 nice pins that I could  
>clip  
>the 6 inch antenna to. I also robbed a pin from another molex for the  
>40Khz  
>hole, so now it's very easy to switch it around for different markers.  
>Sorry if this is 'old news', or already posted by someone else-just  
>too  
>much fun to figure it out!Thanks again to Jay Bromley for making this  
>kit  
>available.  
>  
>Dan Presley-N7CQR-Portland, Or QRP-L #502  
>  
>

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---

Date: Tue, 24 Aug 1999 16:54:35 EDT

From: ka7you@juno.com

To: QRP-L@Lehigh.EDU  
Subject: [48389] Eveready Energizers and other batteries  
Message-ID: <19990824.135501.4503.10.ka7you@juno.com>

Does anyone have any info on the capacity difference between the garden variety consumer version of the Eveready Energizer Alkaline C and D cells, and the Industrial (black and green) versions.

The industrial C and D versions are labeled Energizer Industrial Alkaline, and are marked EN93 NEDA 14AC and EN95 NEDA 13AC respectively, and also are marked "Not for retail trade".

I'm curious as to the difference, because they seem to be more costly when we buy them in significant quantities through an industrial supplier, than the consumer version at many local discount stores in small blister packs.

And Costco has their 'Kirkland' brand of alkaline cells in 20-packs considerably cheaper than any other source I've seen.

Use seems to indicate the Costco "Kirkland" brand are just as good as the other brands, but I have not attempted to do any qualitative testing recently.

Several years ago, my daughter did a science project on batteries, and found in simple experiments, that the Hitachi (best) and Ray-O-Vac (second best) brand alkaline batteries seemed to consistently be somewhat superior (longer lived) compared to Duracell and Eveready and Radio Shack brands, when used in intermittent flashlight applications. At that time, Costco sold the Hitachi and Duracell brands, and she tested 20 of each of the five brands mentioned, by measuring time to a predetermined cut-off voltage, with a cycling relay, and a digital voltmeter.

I'm just curious about the results of any other experiments which might be floating around out there.

Maybe it is time to automate the process and try it again.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
160M thru 1296 MHz-higher bands pending  
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

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Date: Tue, 24 Aug 1999 13:59:54 -0700  
From: "Kory Hamzeh" <kory@avatar.com>  
To: <qrp-l@lehigh.edu>  
Subject: [48390] OT: Kester Silver Solder

Message-ID: <003801beee73\$9dbb4c60\$14ce21c7@tomcat.avatar.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I love using Kester's 62% tin, 36% lead, 2% silver. I've almost run out and can't find anymore. Tech America and Fry's use to carry them, but not anymore. If anyone can point me to a new source for this type of solder, I would really appreciate it.

Thanks,  
Kory  
AC6RN

-----  
Date: Tue, 24 Aug 1999 21:02:36 +0100  
From: "Steve Sorrell" <ap036@detroit.freenet.org>  
To: <K2UD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [48391] Re: WW II Q signals  
Message-ID: <01e701beee6b\$9f37d3e0\$bc42b3c7@sorrells>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Cause they've been eating them stupid Altoids instead of steak!  
de Steve, W8SFF

-----  
Date: Tue, 24 Aug 1999 16:05:26 +0000  
From: Jay Bromley <w5jay@alltel.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, talljazz@teleport.com  
Subject: [48392] Re: VE3DNL kit mod  
Message-ID: <37C2C2C6.55206333@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks Dan,  
If you have any machined IC sockets and don't mind destroying one of them, these make good jumpers sockets also. The neat part is that the pins can be used as male or female.

The strain relieve mod that Doug mentions is very good also.

One mod that I would highly recommend is a protection diode (1N4148 ect) in series with the B+ lead to keep the chip alive in case of a momentary touch with the battery the wrong way. For those new to the game unsolder the red lead. Stick the diode where the red wire went and make sure the banded end goes towards the board. Resolder the red wire to the other end of the diode sticking out (unbanded end). If we had an extra set of holes we would make the banded end stick up, but electrically it would still be the same with the the banded end going towards rest the circuit. Maybe in the next run we can make a change in the board to include this. This is a good mod to learn about cathodes, anodes, and diodes. We all have a ARRL handbook, don't we? Please make sure the unit is working before doing this mod!!

So far all the kits that have been built are working. If you are having problems let me know and we will work though it. The problems so far have been few. Many thanks to all that participated again.

73 de w5jay

Dan Presley wrote:

> I finally got around to building this little kit, and wanted to use all 4  
> different marker freqs (5,10,20 & 40 Khz) without re-soldering a new  
> antenna each time. I read Doug's mod (KI6DS), but couldn't locate the  
> computer board pins, so I found a 3-pin Molex connector (same kind as used  
> on the DSW and 'Elmer 101 rigs for board connections) was a perfect fit for  
> spacing of the 3 holes for the 5,10 & 20 Khz outputs. I had to file down  
> the pins on the Molex a bit as they are square (square peg-round hole!),  
> but then it popped right in leaving me with 3 nice pins that I could clip  
> the 6 inch antenna to. I also robbed a pin from another molex for the 40Khz  
> hole, so now it's very easy to switch it around for different markers.  
> Sorry if this is 'old news', or already posted by someone else-just too  
> much fun to figure it out!Thanks again to Jay Bromley for making this kit  
> available.  
>  
> Dan Presley-N7CQR-Portland, Or QRP-L #502

-----  
Date: Tue, 24 Aug 1999 16:28:09 +0000  
From: Jay Bromley <w5jay@alltel.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [48393] VE3DNL Marker/Generator  
Message-ID: <37C2C819.3DDC9C3E@alltel.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

I forgot to mention in my last post that the VE3DNL Marker/Generator kits are still available. I get requests almost everyday asking if their still availible. After talking with Doug and Chuck I am going to try to continue doing this kit because of so many new guys coming on board looking for a first time project. This is a great kit to sharpen up those solder skills before tackling those DSWs and Red Hots.

To find out more about the kit check out the NorCal web page at:  
<http://www.fix.net/jparker/norcal.html>

Remember to make out your check to me Jay Bromley for \$12 which includes shipping/handling and mail it to my home address below:

Jay Bromley W5JAY  
9505 Bryn Mawr Circle  
Fort Smith, AR. 72908-9276

Thanks again!!  
73 de w5jay..

-----  
Date: Tue, 24 Aug 1999 16:38:08 -0500  
From: Jim Ek <JIM-EK@worldnet.att.net>  
To: "'Low Power Amateur Radio'" <qrp-l@Lehigh.EDU>  
Subject: [48394] Feeling Uncomfortable?!?  
Message-ID: <01BEEE4F.4A95A220@124.indianapolis-08-09rs.in.dial-access.att.net>

I'm going to be taking my Technicians license exam in about a week and a half. But to tell you the truth this ULS system has me feeling really - I mean really - uncomfortable.

There seems to be so much in the news media in regards to "identity theft." In the mid 60's when I first got my Social Security card, it was printed right on the card, "not to be used for identification." Yet here it is demanded by the U,S, Government for Identification purposes other then tracking income. It's not a case of it collaborating future if any social security accounts but for tracking.

But in todays society and lots of information being made public this idea of giving over a Social Security number seems like a lot less then perfect idea. I mean just look on the web for FCC databases. My wife's physician is listed in the database not only for his name and phone number which isn't in the local phone book, but his age as well. How long will it be, before our (licensed ham radio operator's) social security numbers will be published on the web for easy pickings.

One very anxious - and still considering foregoing a license because of this person,

Jim

-----  
Date: Tue, 24 Aug 1999 21:56:36 -0700  
From: dave.g0dja@psilink.co.uk (David J. Ackrill)  
To: qrp-l@lehigh.edu, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [48395] Re: QRP-L digest 1557  
Message-ID: <E11JOY1-0002nw-00@relay3.mail.uk.psi.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm not able to unsubscribe again!

Please, can someone unsubscribe me? I've been following the instructions in the 'sign on' file, but it keeps bouncing. :-(

Thanks de Dave (G0DJA)  
Dave Ackrill (G0DJA)

-----  
Date: Tue, 24 Aug 1999 17:57:57 EDT  
From: DENNISMO@aol.com  
To: qrp-l@lehigh.edu  
Subject: [48396] Re: Feeling Uncomfortable?!?  
Message-ID: <b9970295.24f46f65@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Jim -

I wouldn't worry too much about the SS number thing. Go ahead and get your Tech license. Besides there are lots of easier ways of getting those SS #'s than going through the FCC.

Now don't you feel better...?!

72 de Denny AD6EZ <><

Date: Tue, 24 Aug 1999 18:46:06 EDT  
From: HWRM1SS@aol.com  
To: njqrp@njqrp.org, qrp-l@lehigh.edu  
Subject: [48397] Re: QRP/QRO ITEMS FOR SALE  
Message-ID: <d4fb0820.24f47aae@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

QRPers

The SG-2020/Manpack/and Battery arre spoken for -- HW 101w/HP-23/HP-13/Heath  
Mobile Mike and Heath Speaker combo package are still available

Thanks for your replies --

Howard K3HW

-----  
Date: Tue, 24 Aug 1999 17:59:35 -0500 (CDT)  
From: Jack Bryant <Jack.Bryant@math.tamu.edu>  
To: qrp-l@lehigh.edu  
Subject: [48398] retired, fox group  
Message-ID: <199908242259.RAA00703@fourier.math.tamu.edu>

I have retired after more than a year of mathing at Texas A&M. (Hint: I was a member of Chuck's PhD committee!) Anyway, I have some time for the fox hunt, and think it might be neat to form a diverse team, with no two in the same call area. No other restrictions. Just a hare-brained idea, but email direct if interested.

-Jack W5TFB jlbryant@math.tamu.edu

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End of QRP-L Digest 1558

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